

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041624.D
 Acq On : 14 Dec 2020 20:36
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Quant Time: Dec 15 00:50:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126984	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132938	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61918	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45571	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.92	69	37665	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	92180	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	4.66	46	149724	52.50	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.00%
24) Chloroform-d	5.08	84	89498	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.72	65	50513	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.74	84	172883	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.70	67	53358	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.91	98	161295	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.18	79	24611	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.64	63	137059	46.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52029	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	58089	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	57791	5.372	ug/L 99
3) Chloromethane	1.53	50	50811	4.861	ug/L 97
5) Vinyl chloride	1.61	62	57297	4.965	ug/L 96
6) Bromomethane	1.87	94	40795	5.654	ug/L 98
8) Chloroethane	1.94	64	35140	4.483	ug/L 99
9) Trichlorofluoromethane	2.15	101	82089	5.620	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	47612	5.450	ug/L 97
12) 1,1-Dichloroethene	2.59	96	47053	5.462	ug/L 90
13) Acetone	2.67	43	96669	53.294	ug/L 55
14) Carbon disulfide	2.81	76	152330	5.117	ug/L 98
15) Methyl Acetate	2.97	43	21291	4.515	ug/L 91
16) Methylene chloride	3.06	84	57234	5.563	ug/L 93
17) Methyl tert-butyl Ether	3.38	73	123339	5.366	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	48887	5.487	ug/L 92
19) 1,1-Dichloroethane	3.89	63	85794	5.152	ug/L 98
21) 2-Butanone	4.75	43	154941	52.442	ug/L # 66
22) cis-1,2-Dichloroethene	4.69	96	53421	5.425	ug/L 96

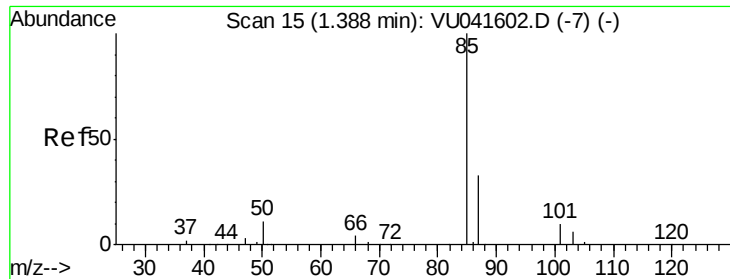
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121420\
 Data File : VU041624.D
 Acq On : 14 Dec 2020 20:36
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	27539	6.088	ug/L	88
25) Chloroform	5.11	83	90803	5.415	ug/L	94
27) 1,2-Dichloroethane	5.81	62	62275	5.484	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	78451	5.139	ug/L	98
30) Cyclohexane	5.40	56	76451	4.468	ug/L	94
31) Carbon tetrachloride	5.54	117	67216	5.092	ug/L	99
33) Benzene	5.79	78	200188	4.709	ug/L	100
34) Trichloroethene	6.55	95	51501	4.821	ug/L	98
35) Methylcyclohexane	6.77	83	78504	4.546	ug/L	98
37) 1,2-Dichloropropane	6.80	63	50647	4.657	ug/L	100
38) Bromodichloromethane	7.11	83	63631	4.703	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	75713	4.699	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	380194	49.132	ug/L	98
42) Toluene	7.98	91	214044	4.876	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	70715	4.907	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	42648	5.303	ug/L	97
47) Tetrachloroethene	8.56	164	43206	5.777	ug/L	97
48) 2-Hexanone	8.69	43	262358	46.587	ug/L #	95
49) Dibromochloromethane	8.81	129	51475	5.572	ug/L	99
50) 1,2-Dibromoethane	8.93	107	42656	5.362	ug/L	97
51) Chlorobenzene	9.45	112	141670	5.192	ug/L	94
52) Ethylbenzene	9.57	91	228295	4.884	ug/L	96
53) m,p-Xylene	9.69	106	90828	5.210	ug/L	99
54) o-Xylene	10.10	106	84538	4.951	ug/L	100
55) Styrene	10.11	104	147200	4.991	ug/L	95
56) Isopropylbenzene	10.48	105	220156	4.844	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	56295	5.031	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	41284	5.055	ug/L	99
61) Bromoform	10.29	173	28142	6.012	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	102374	5.406	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	102693	5.394	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	100923	5.442	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9587	5.513	ug/L #	86
67) 1,3,5-Trichlorobenzene	13.21	180	73011	5.079	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	56923	4.719	ug/L	99
69) Naphthalene	14.07	128	116559	4.668	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	56594	4.922	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 5.372 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

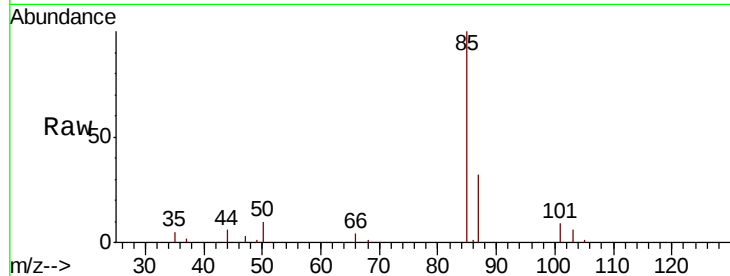
VSTD00515

Tot Ion: 85 Resp: 57791

Ion Ratio Lower Upper

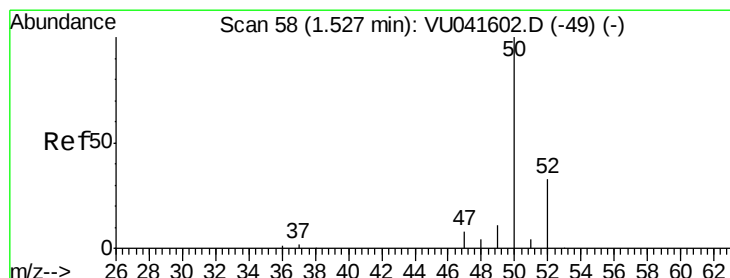
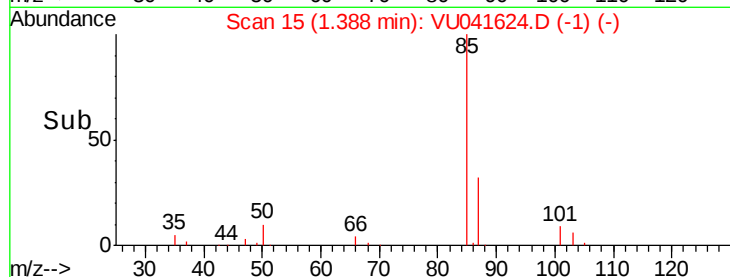
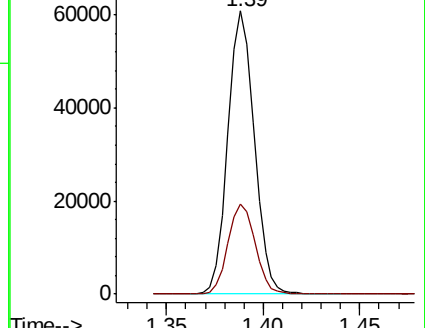
85 100

87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041602.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041602.D (-7) (-)



#3

Chloromethane

Concen: 4.861 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041624.D

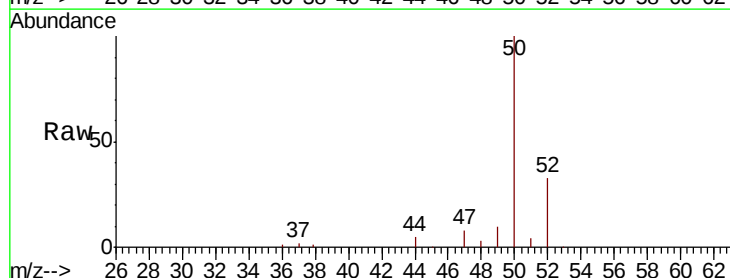
Acq: 14 Dec 2020 20:36

Tgt Ion: 50 Resp: 50811

Ion Ratio Lower Upper

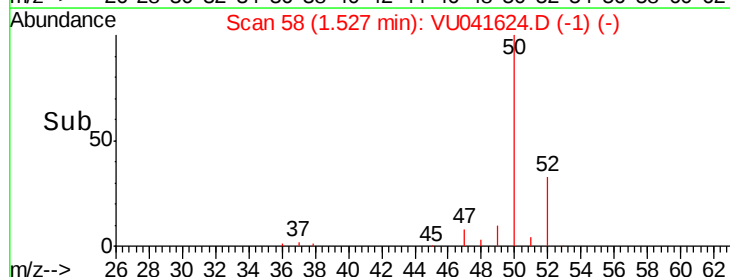
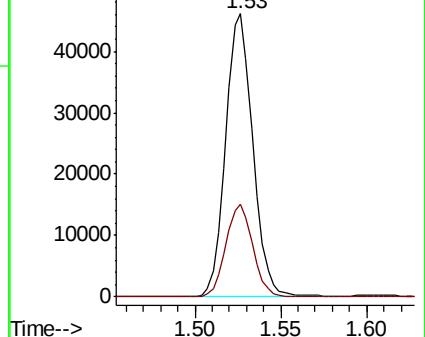
50 100

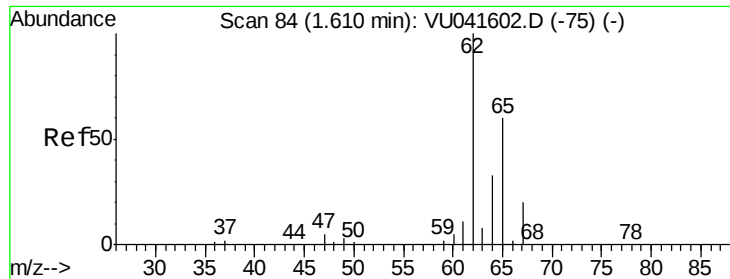
52 32.8 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041602.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041602.D (-49) (-)





#5

Vinyl chloride

Concen: 4.965 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

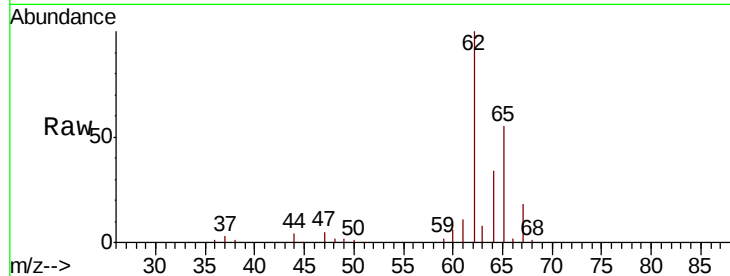
VSTD00515

Tot Ion: 62 Resp: 57297

Ion Ratio Lower Upper

62 100

64 34.1 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

60000

50000

40000

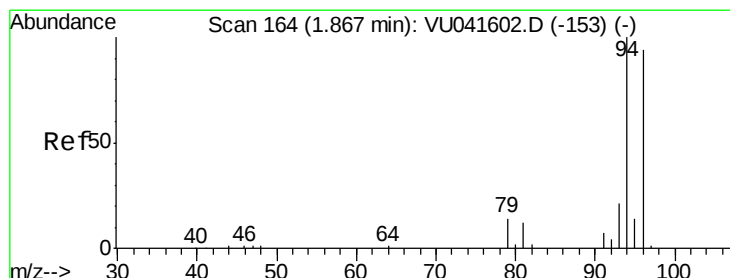
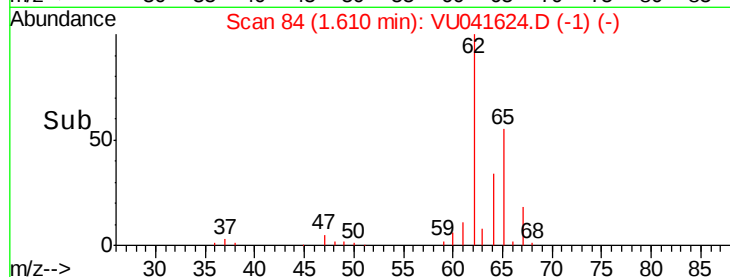
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 5.654 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041624.D

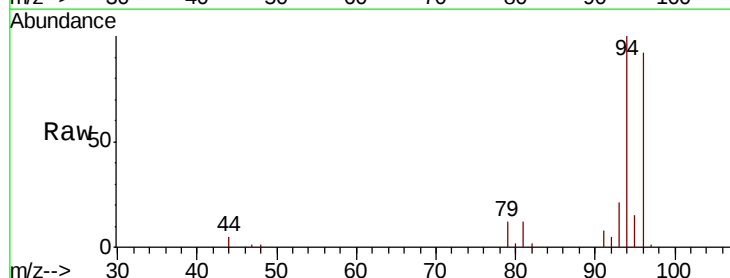
Acq: 14 Dec 2020 20:36

Tgt Ion: 94 Resp: 40795

Ion Ratio Lower Upper

94 100

96 91.5 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

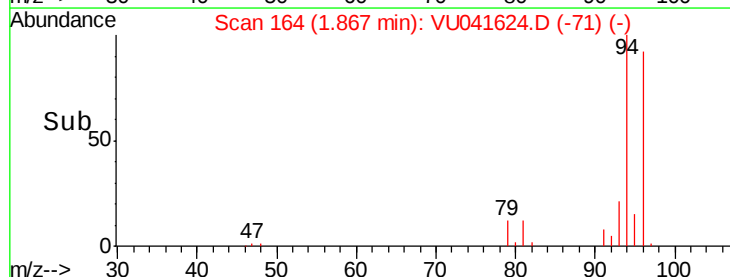
30000

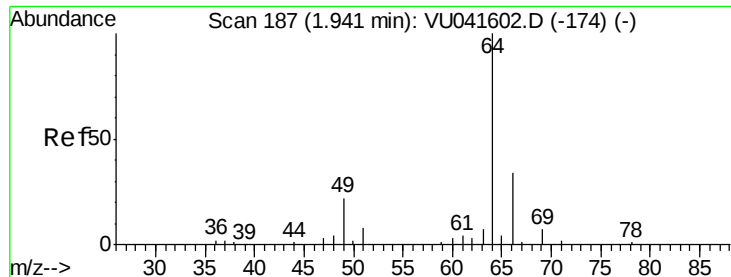
20000

10000

0

Time--> 1.80 1.85 1.90





#8

Chloroethane

Concen: 4.483 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

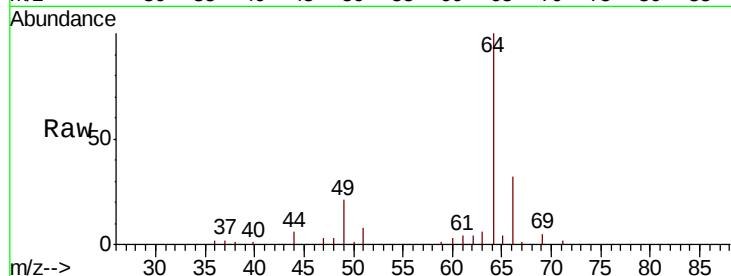
VSTD00515

Tot Ion: 64 Resp: 35140

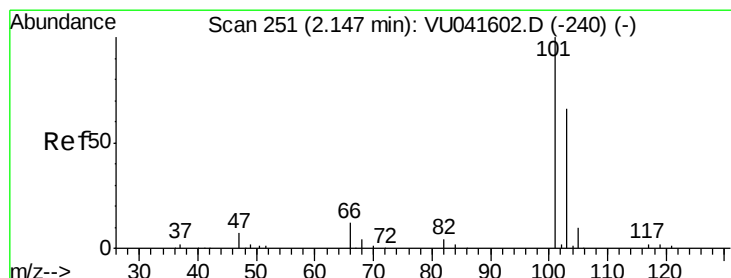
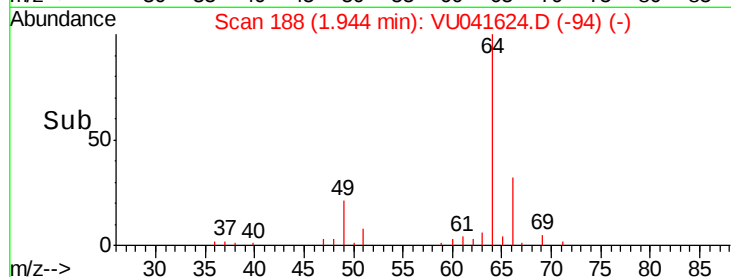
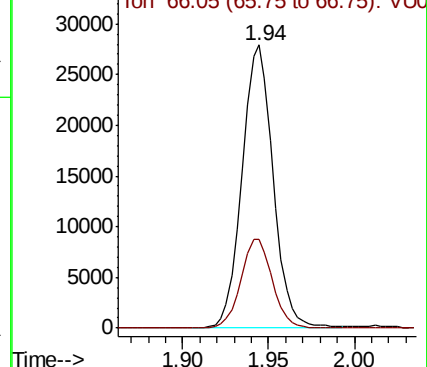
Ion Ratio Lower Upper

64 100

66 31.6 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041602.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 5.620 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041624.D

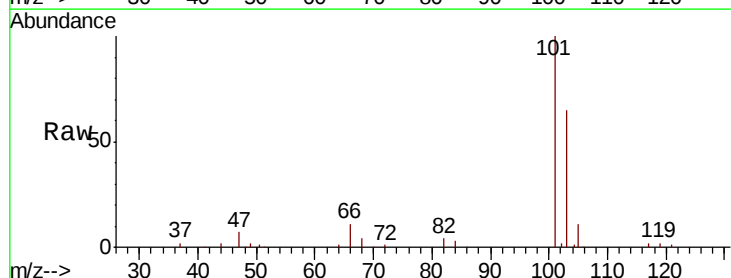
Acq: 14 Dec 2020 20:36

Tgt Ion: 101 Resp: 82089

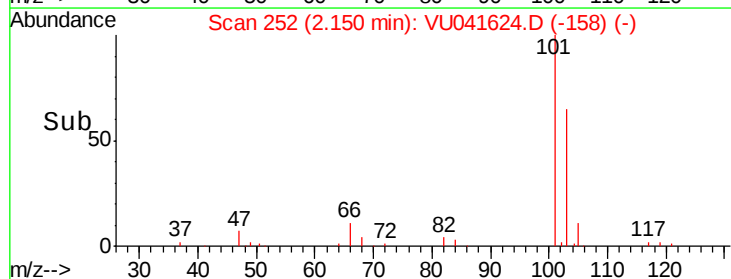
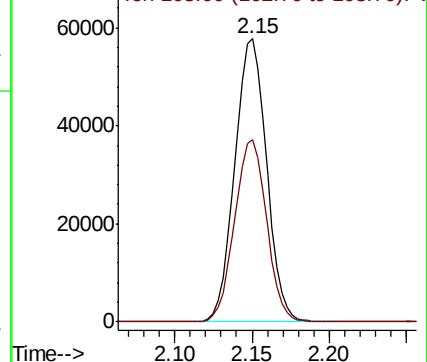
Ion Ratio Lower Upper

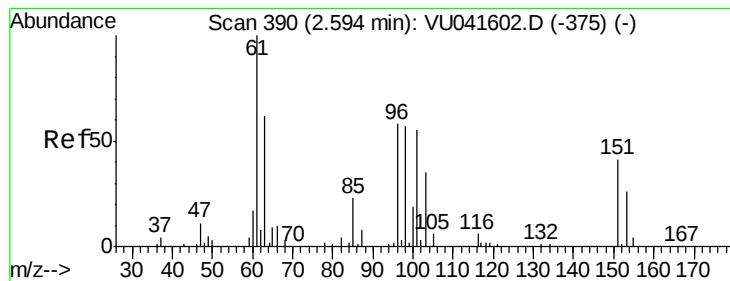
101 100

103 64.8 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041602.D (-240) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.450 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

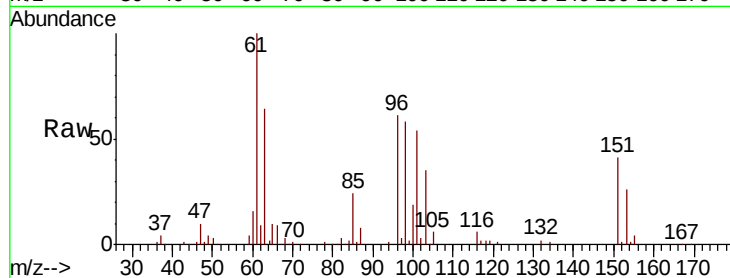
Tot Ion:101 Resp: 47612

Ion Ratio Lower Upper

101 100

85 43.0 33.6 50.4

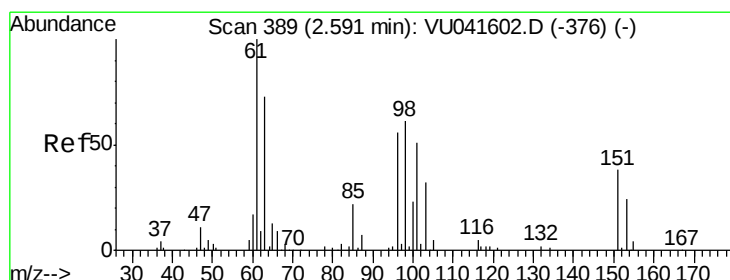
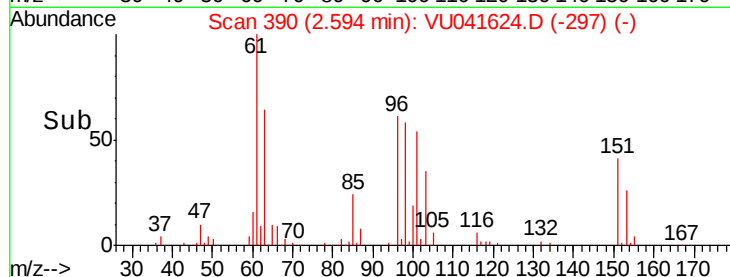
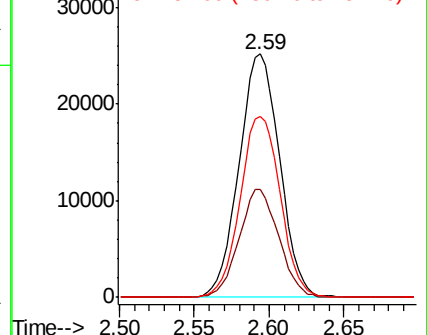
151 73.3 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.462 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

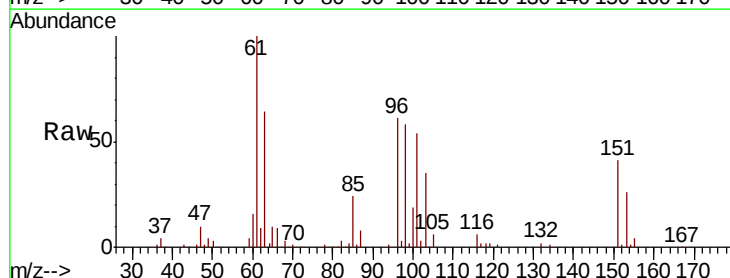
Tgt Ion: 96 Resp: 47053

Ion Ratio Lower Upper

96 100

61 163.0 123.8 230.0

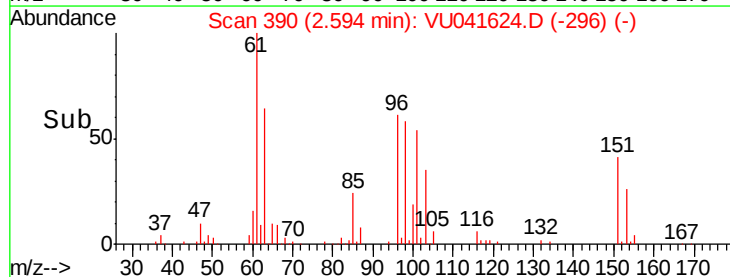
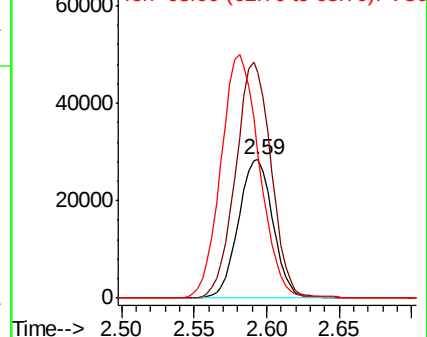
63 104.3 81.0 150.4

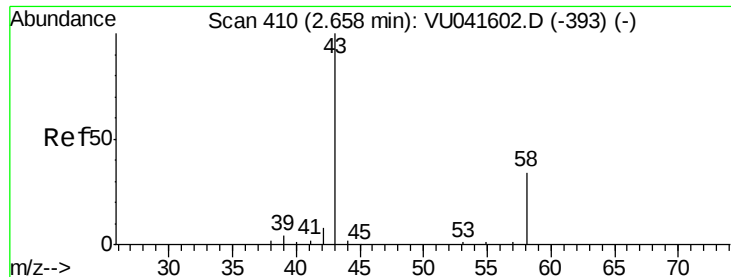


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.294 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

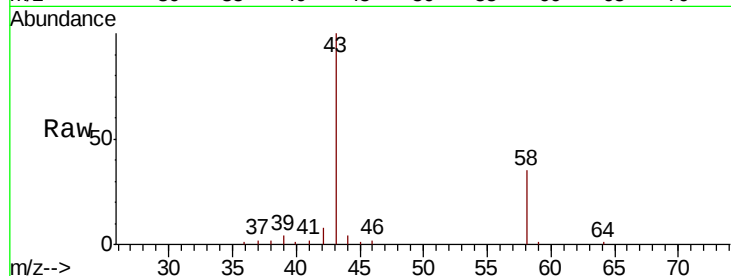
VSTD00515

Tot Ion: 43 Resp: 96669

Ion Ratio Lower Upper

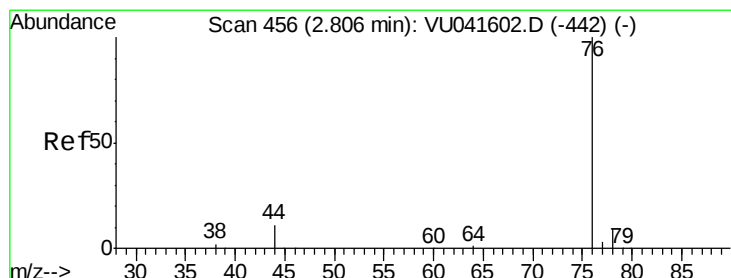
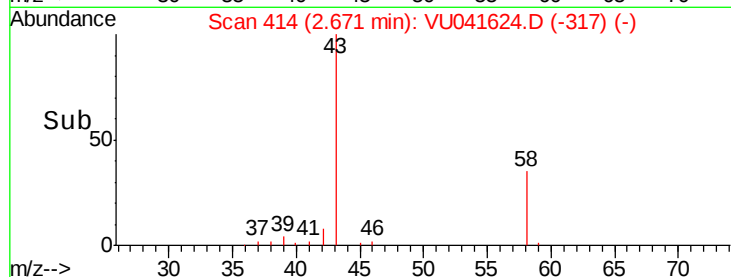
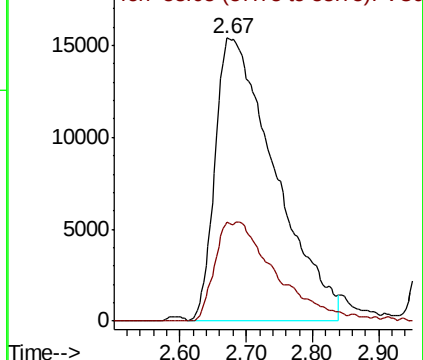
43 100

58 10.2 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.117 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041624.D

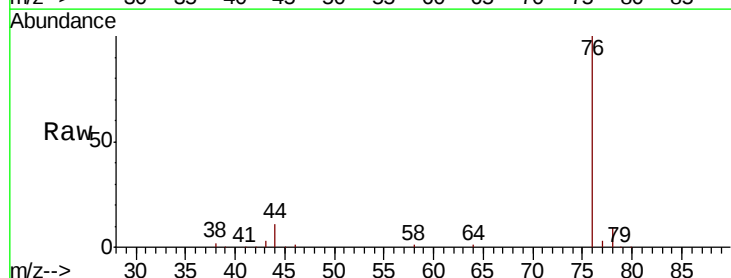
Acq: 14 Dec 2020 20:36

Tgt Ion: 76 Resp: 152330

Ion Ratio Lower Upper

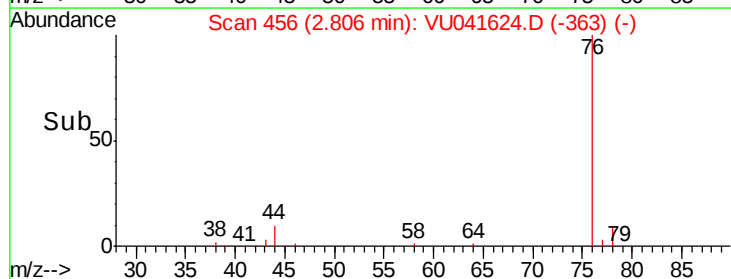
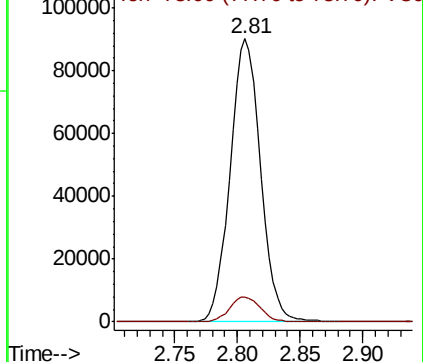
76 100

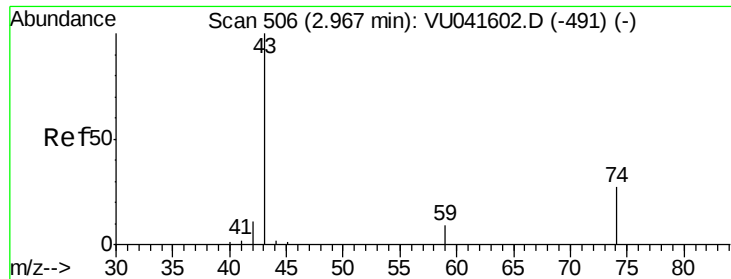
78 8.8 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 4.515 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.01 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

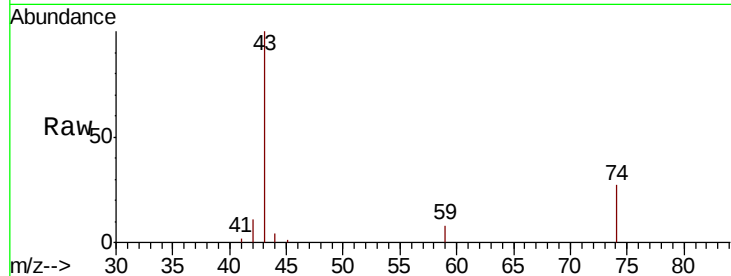
VSTD00515

Tot Ion: 43 Resp: 21291

Ion Ratio Lower Upper

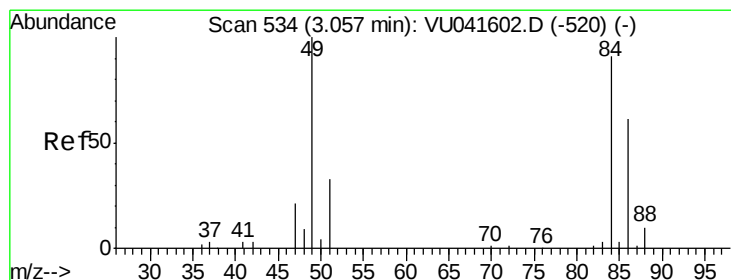
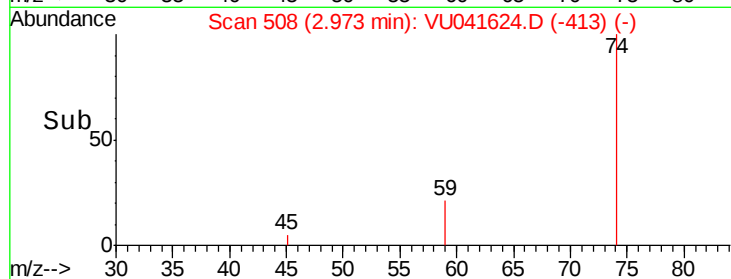
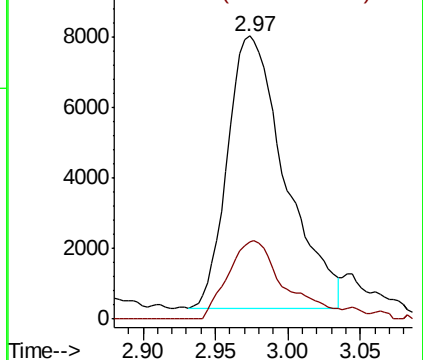
43 100

74 28.6 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.563 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

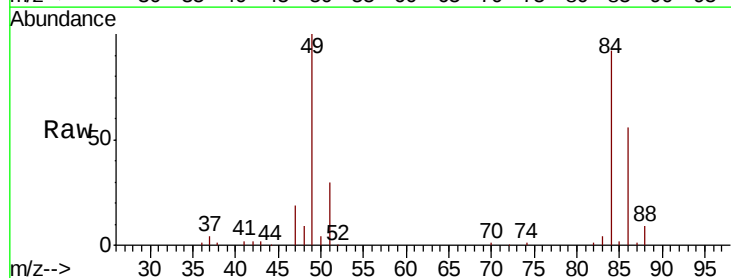
Tgt Ion: 84 Resp: 57234

Ion Ratio Lower Upper

84 100

86 60.9 45.1 83.7

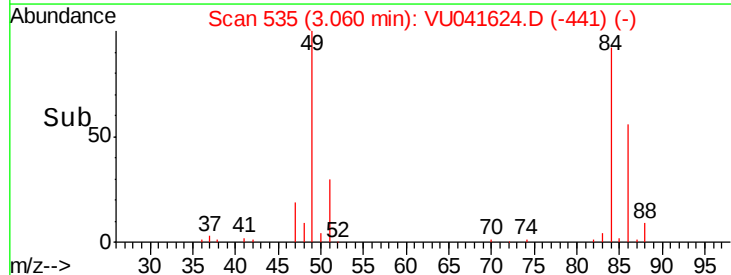
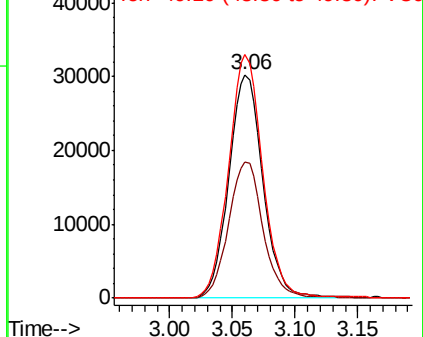
49 108.9 83.1 154.3

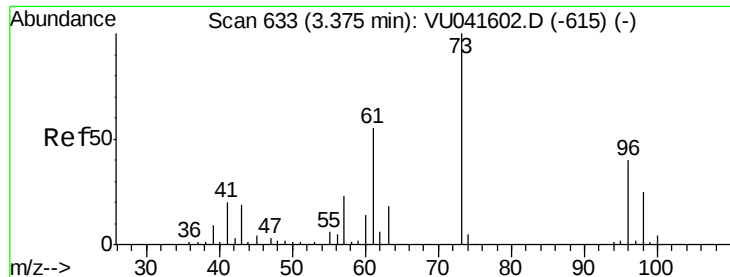


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

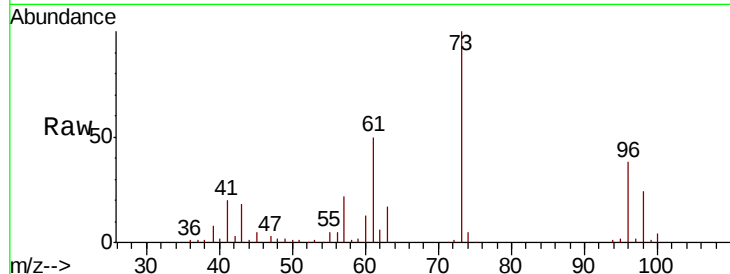




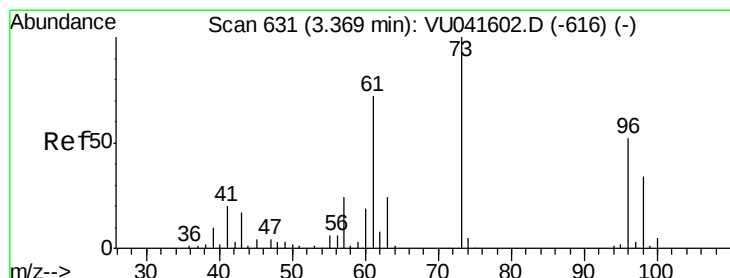
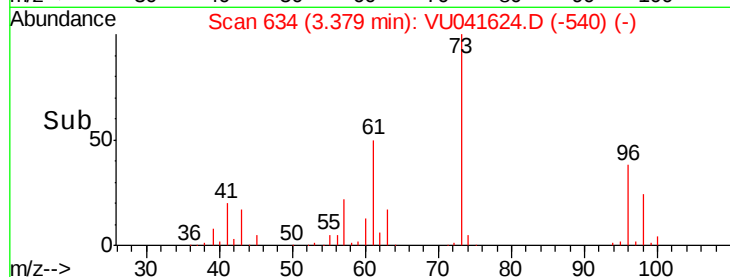
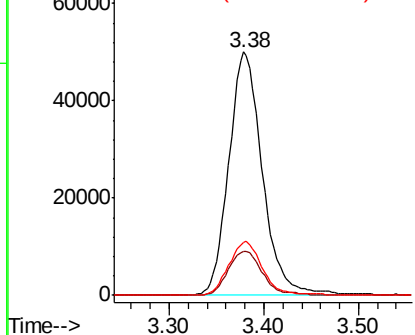
#17
Methvl tert-butvl Ether
Concen: 5.366 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion: 73 Resp: 123339
Ion Ratio Lower Upper
73 100
43 18.6 14.7 22.1
57 22.3 18.2 27.4

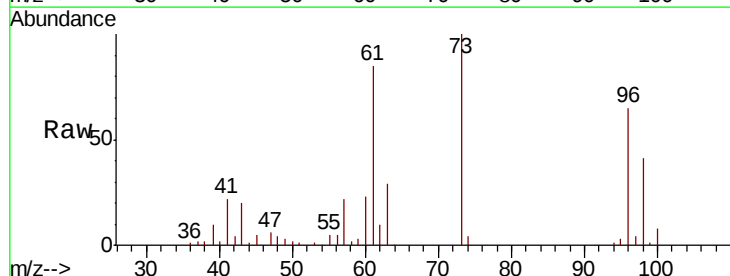


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

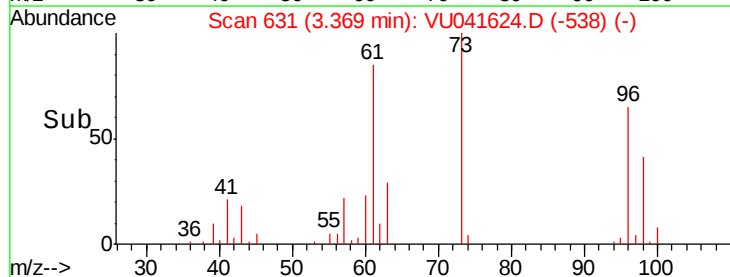
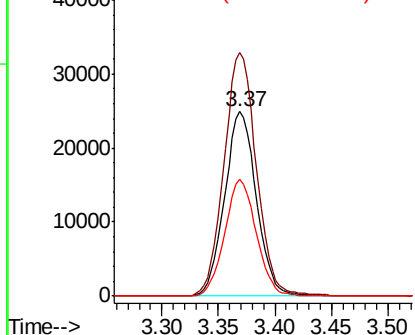


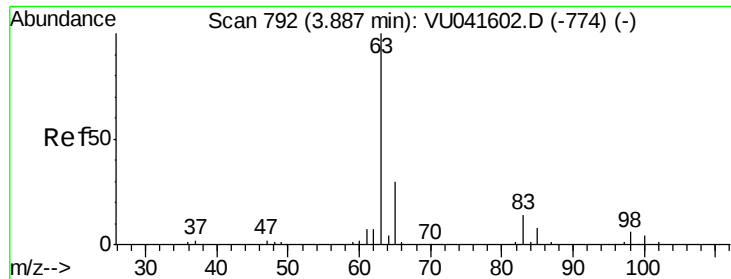
#18
trans-1,2-Dichloroethene
Concen: 5.487 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

Tgt Ion: 96 Resp: 48887
Ion Ratio Lower Upper
96 100
61 131.9 101.8 189.0
98 63.6 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

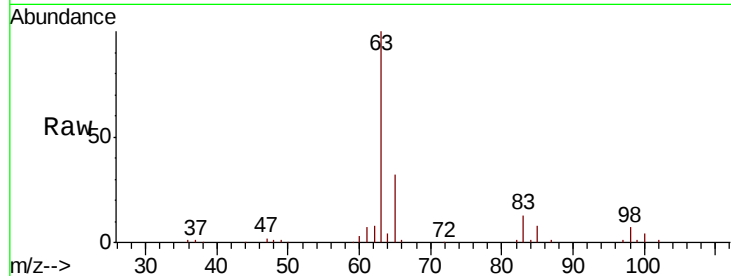




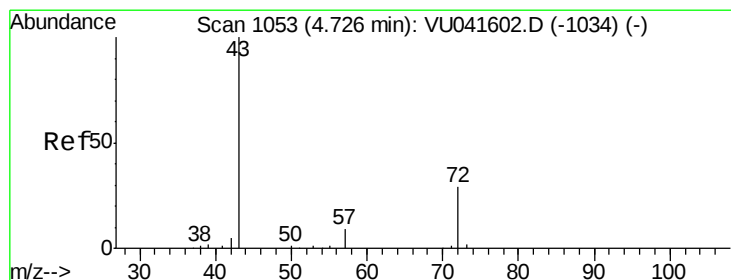
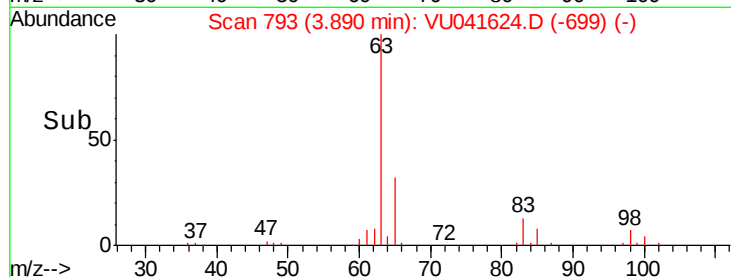
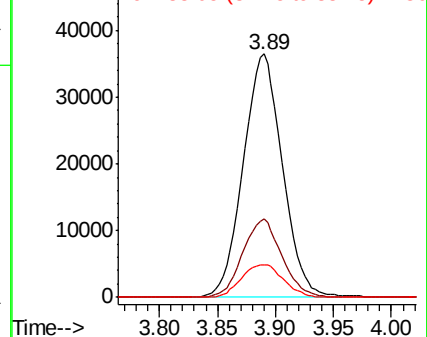
#19
 1,1-Dichloroethane
 Concen: 5.152 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion: 63 Resp: 85794
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.3 39.6
 83 13.3 9.3 17.3

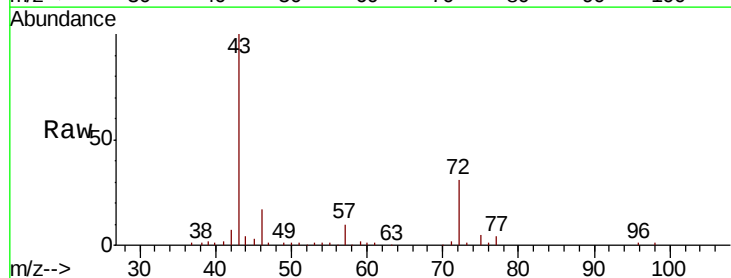


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

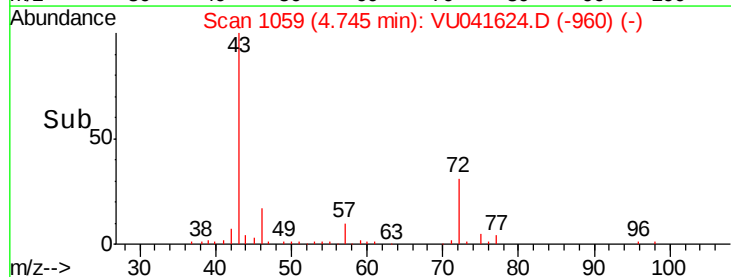
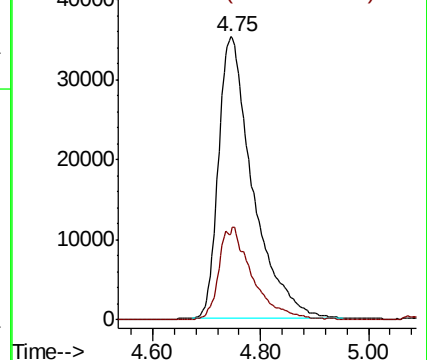


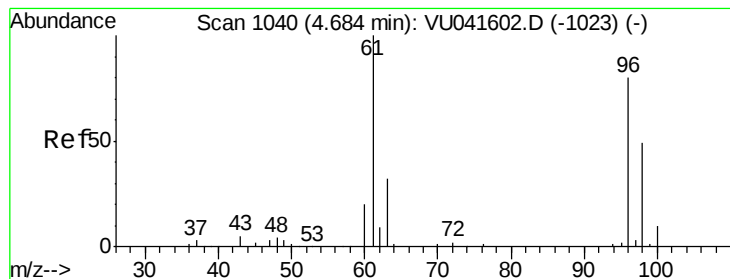
#21
 2-Butanone
 Concen: 52.442 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. 0.02 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Tgt Ion: 43 Resp: 154941
 Ion Ratio Lower Upper
 43 100
 72 10.8 14.6 44.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.425 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

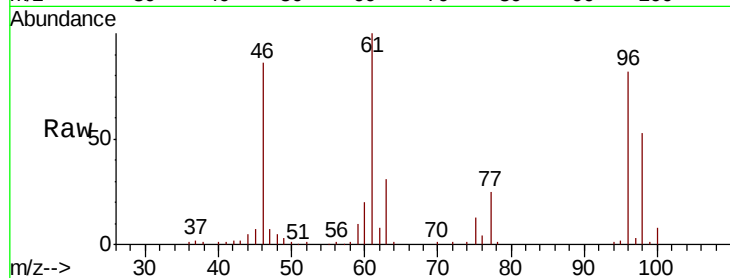
Tot Ion: 96 Resp: 53421

Ion Ratio Lower Upper

96 100

61 121.9 88.8 165.0

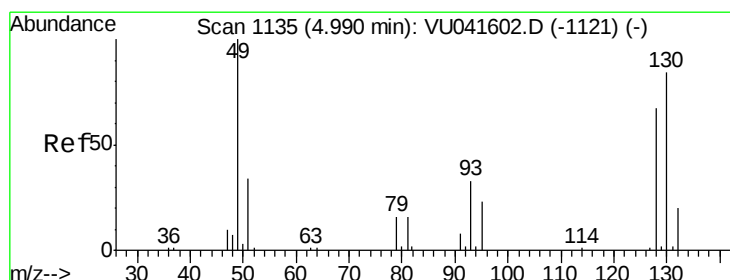
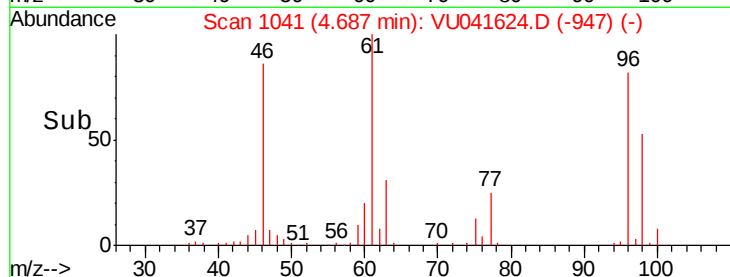
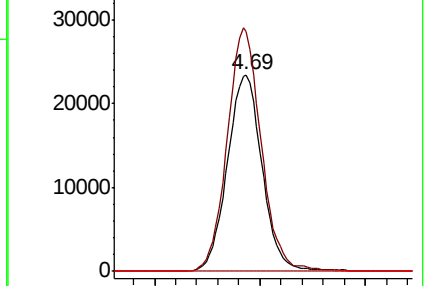
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041624.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU041624.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU041624.D (-1023) (-)



#23

Bromochloromethane

Concen: 6.088 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Tgt Ion:128 Resp: 27539

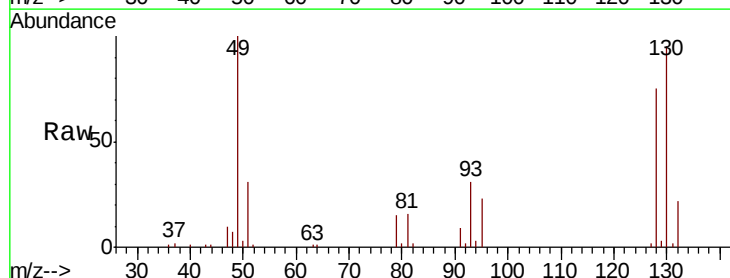
Ion Ratio Lower Upper

128 100

49 133.2 109.3 203.1

130 127.0 84.8 157.6

51 41.8 40.6 61.0

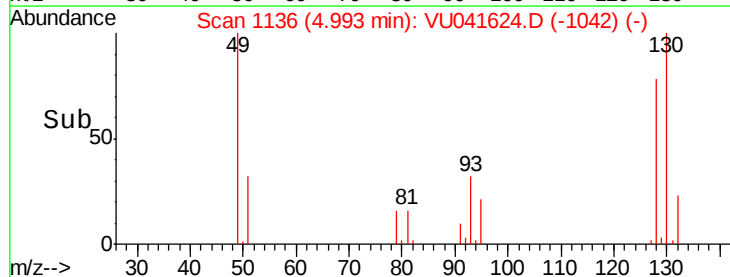
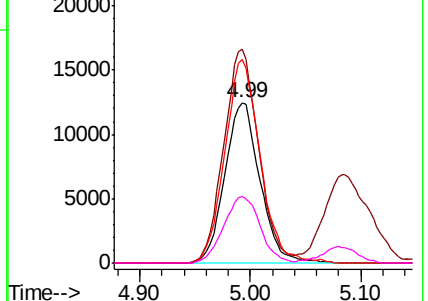


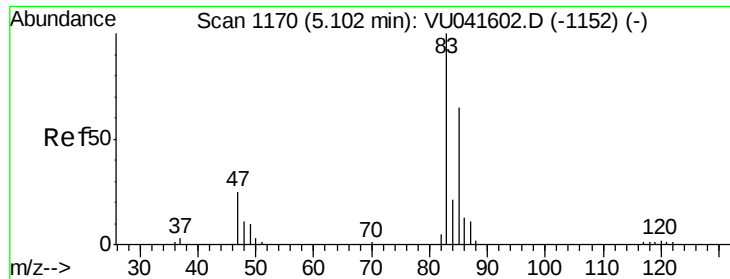
Abundance Ion 127.90 (127.60 to 128.60): VU041624.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU041624.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU041624.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU041624.D (-1121) (-)

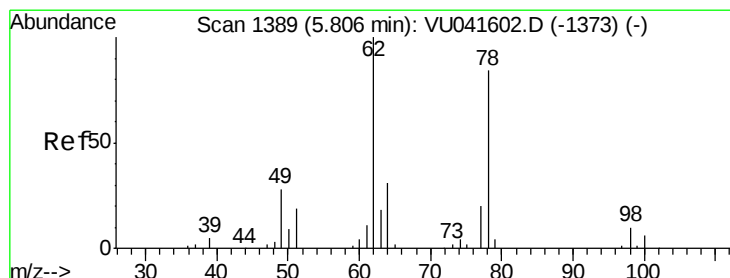
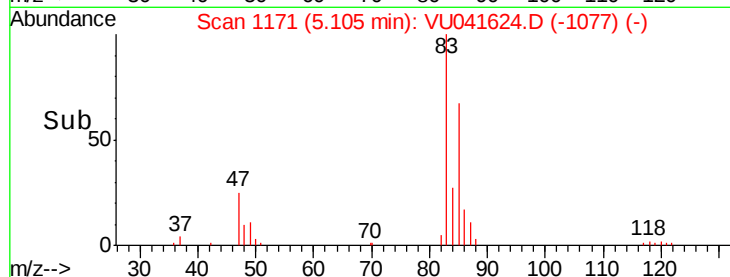
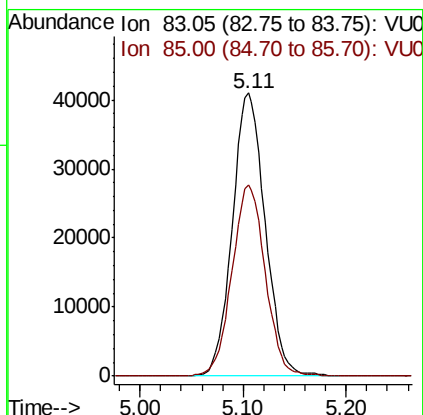
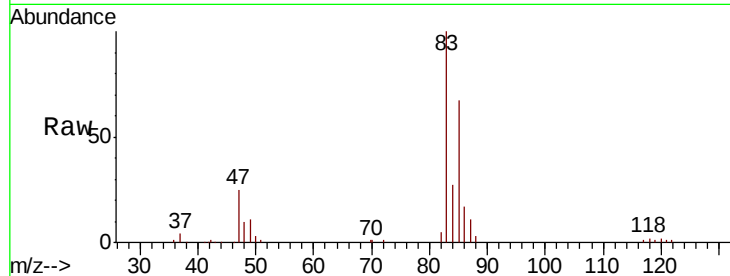




#25
Chloroform
Concen: 5.415 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

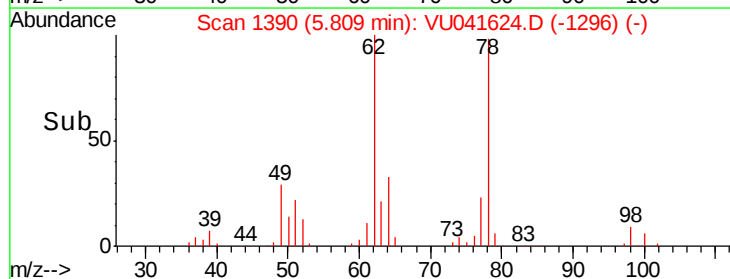
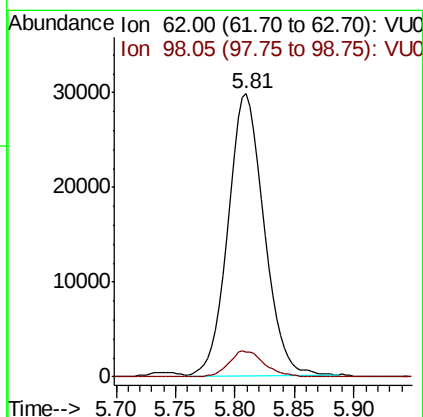
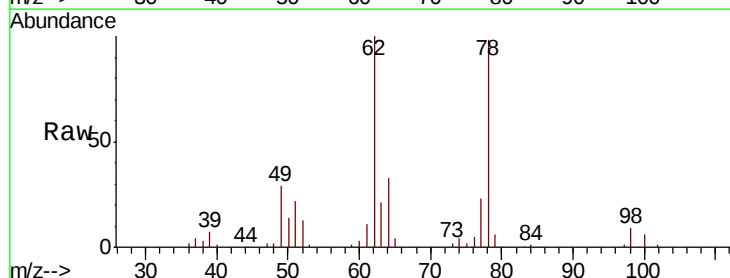
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

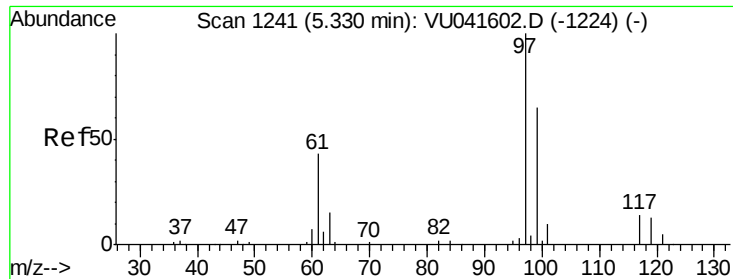
Tot Ion: 83 Resp: 90803
Ion Ratio Lower Upper
83 100
85 67.4 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.484 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

Tgt Ion: 62 Resp: 62275
Ion Ratio Lower Upper
62 100
98 9.0 8.2 12.2

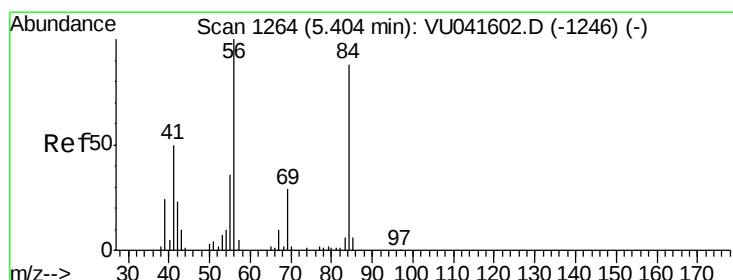
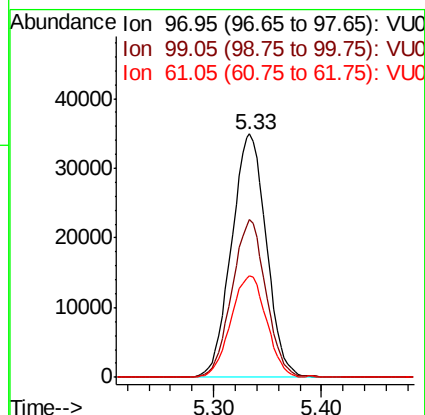
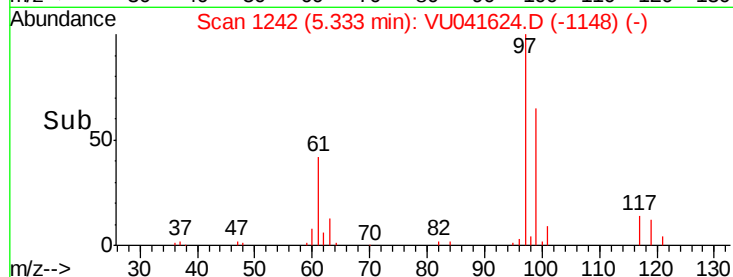
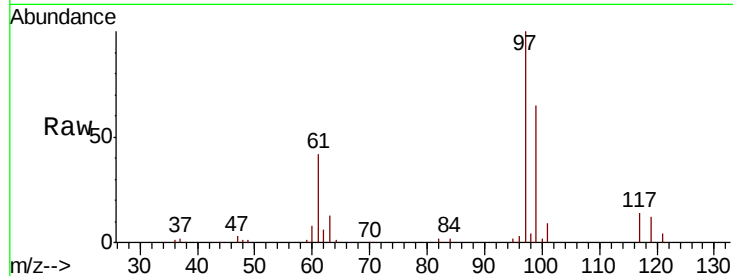




#29
 1,1,1-Trichloroethane
 Concen: 5.139 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

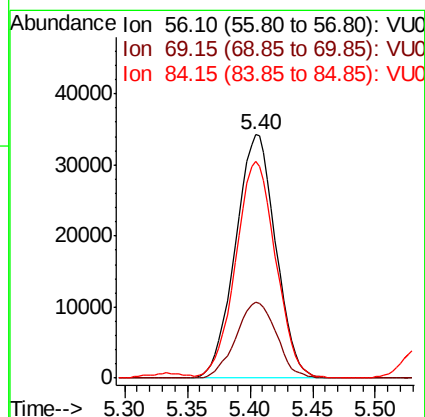
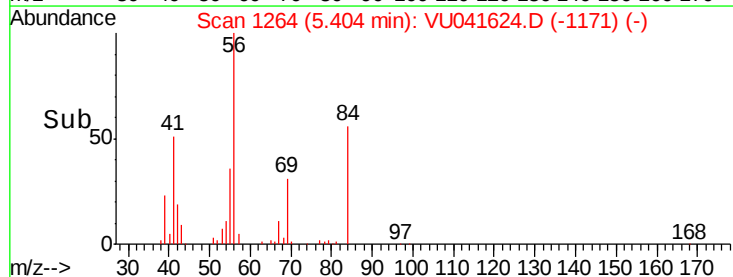
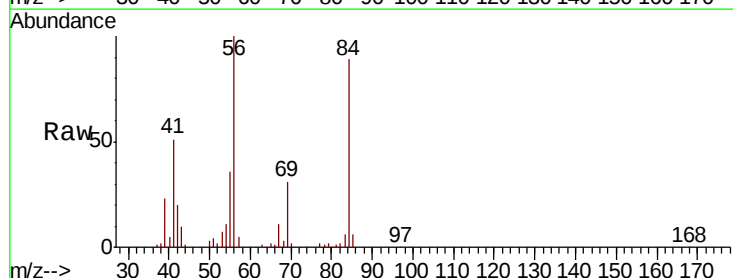
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

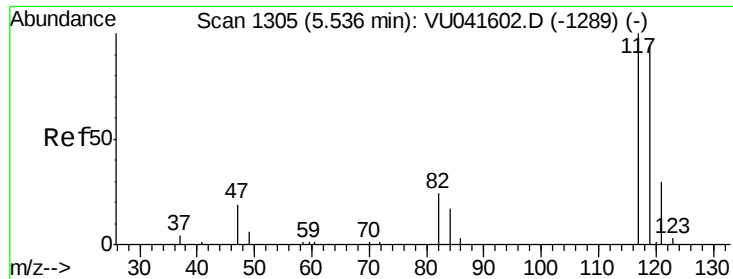
Tot Ion: 97 Resp: 78451
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.3 76.9
 61 42.8 36.5 54.7



#30
 Cyclohexane
 Concen: 4.468 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Tgt Ion: 56 Resp: 76451
 Ion Ratio Lower Upper
 56 100
 69 31.3 23.8 35.8
 84 88.8 66.2 99.4





#31

Carbon tetrachloride

Concen: 5.092 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

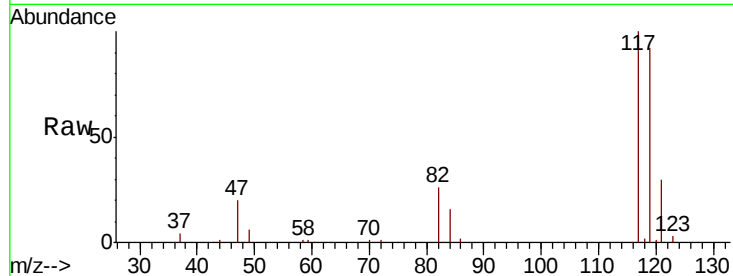
VSTD00515

Tot Ion:117 Resp: 67216

Ion Ratio Lower Upper

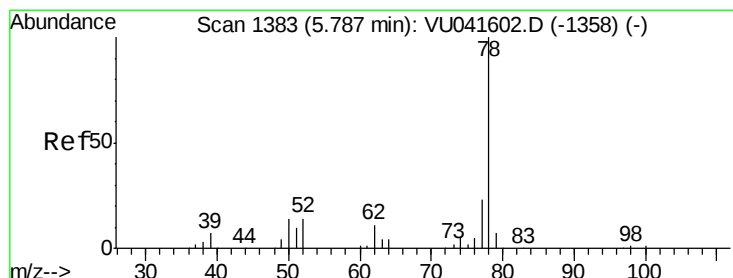
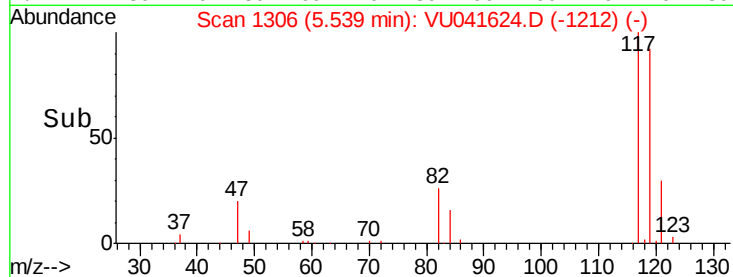
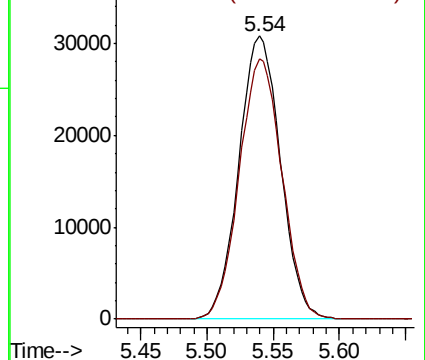
117 100

119 94.3 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.709 ug/L

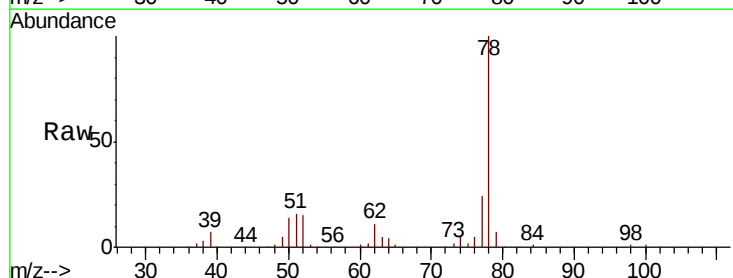
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

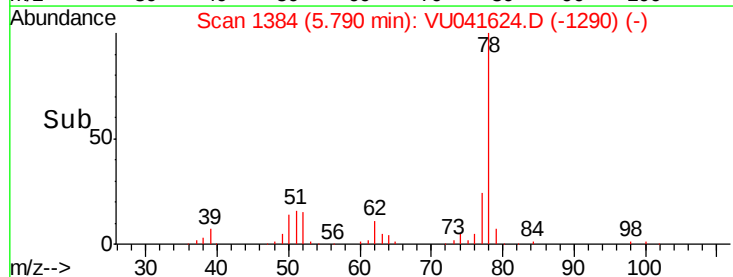
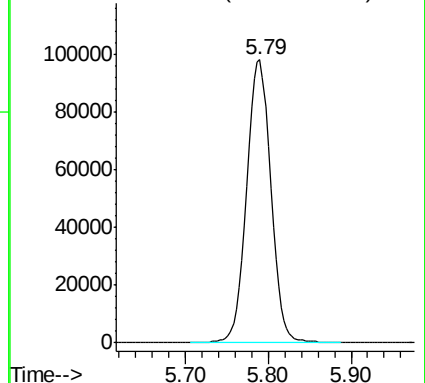
Lab File: VU041624.D

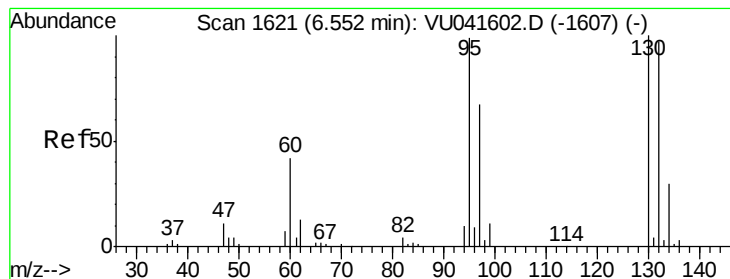
Acq: 14 Dec 2020 20:36

Tgt Ion: 78 Resp: 200188



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.821 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tot Ion: 95 Resp: 51501

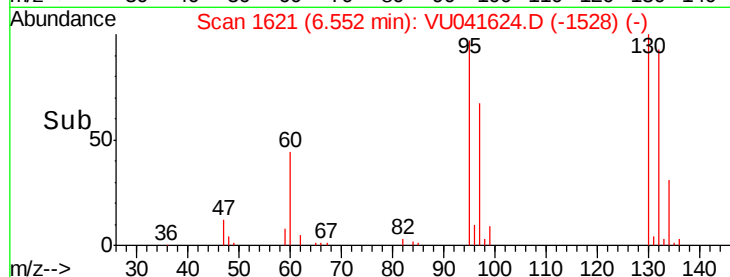
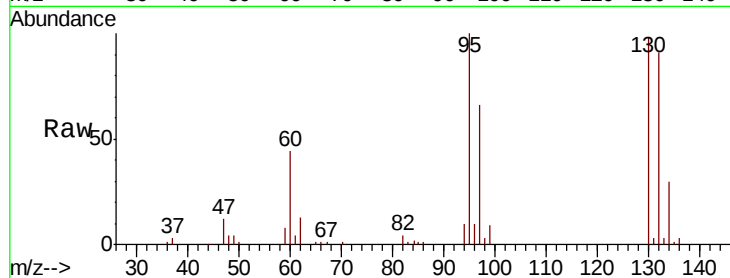
Ion Ratio Lower Upper

95 100

97 65.7 43.9 81.5

132 91.1 63.1 117.3

130 97.8 67.4 125.2



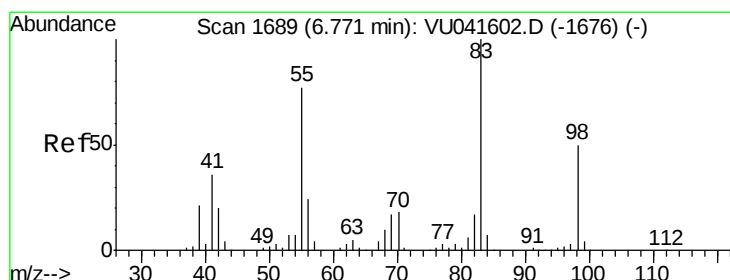
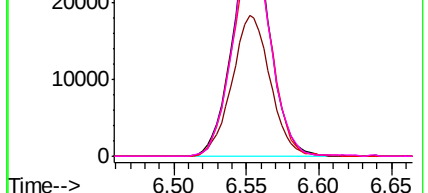
Abundance Ion 95.00 (94.70 to 95.70): VU041624.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041624.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041624.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041624.D (-1528) (-)

Time-->



#35

Methylcyclohexane

Concen: 4.546 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

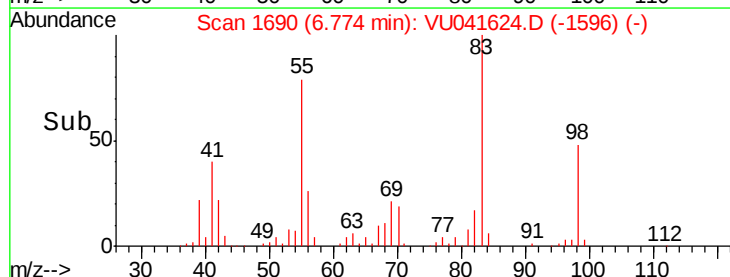
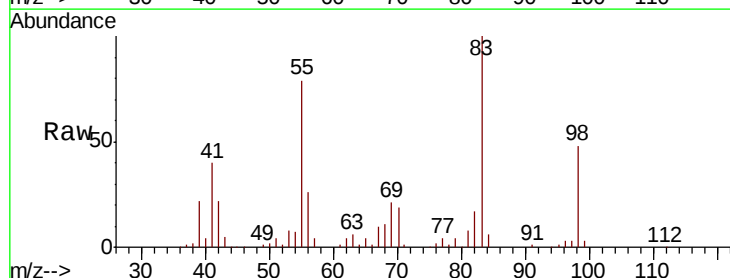
Tgt Ion: 83 Resp: 78504

Ion Ratio Lower Upper

83 100

55 78.8 61.2 91.8

98 46.8 36.6 54.8

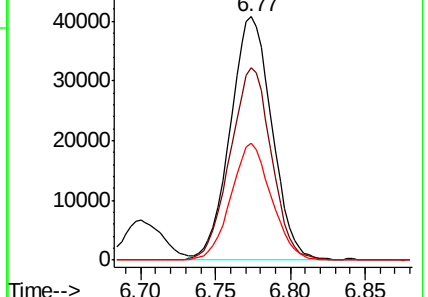


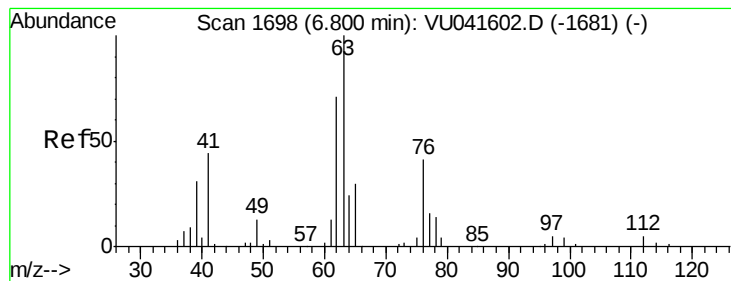
Abundance Ion 83.15 (82.85 to 83.85): VU041624.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU041624.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU041624.D (-1596) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 4.657 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

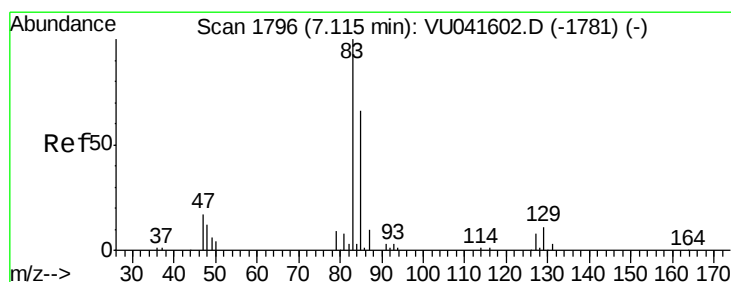
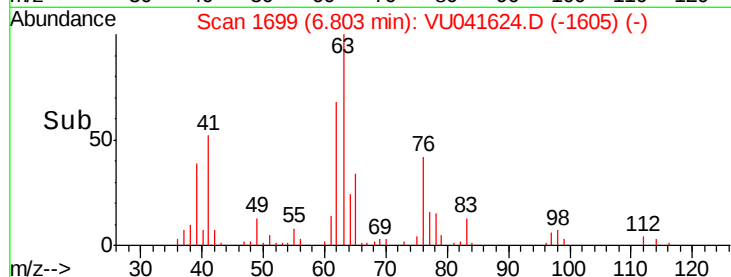
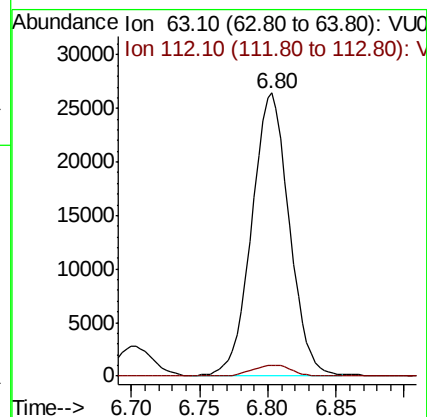
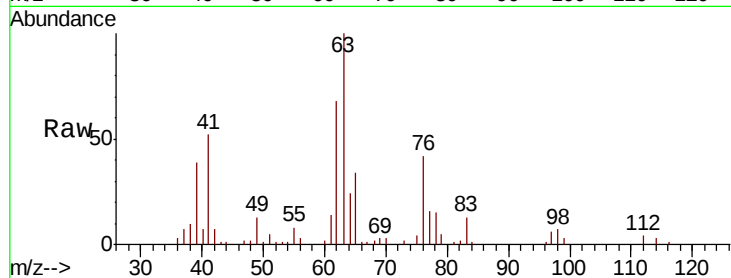
VSTD00515

Tot Ion: 63 Resp: 50647

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#38

Bromodichloromethane

Concen: 4.703 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

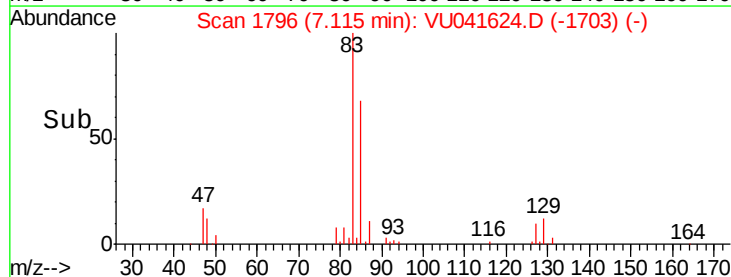
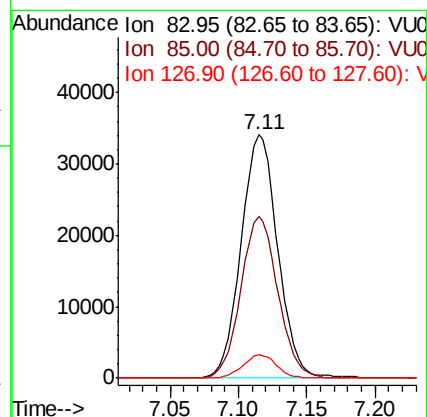
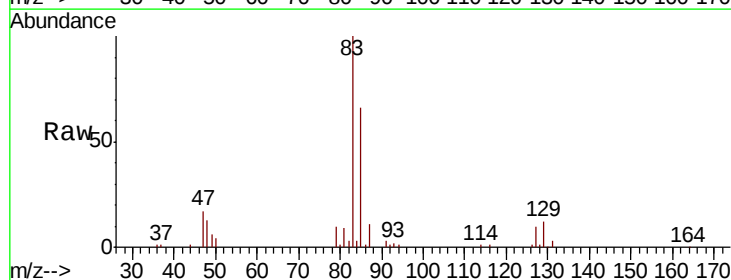
Tgt Ion: 83 Resp: 63631

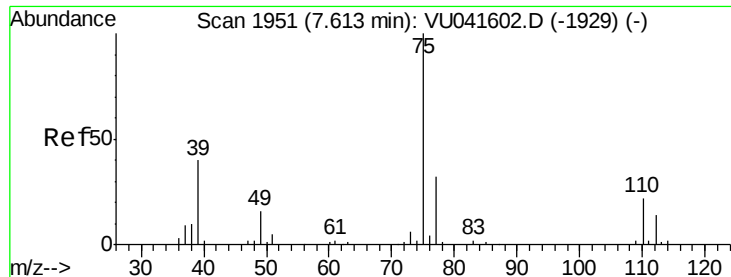
Ion Ratio Lower Upper

83 100

85 66.5 45.5 84.5

127 9.6 7.0 10.6

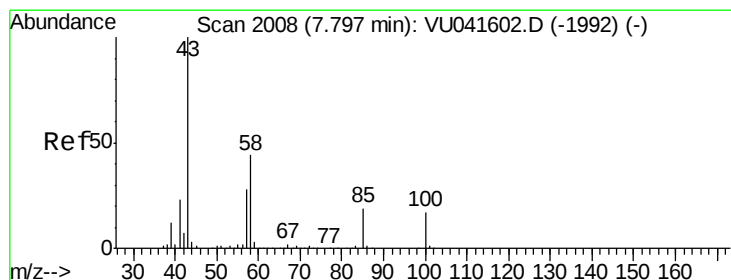
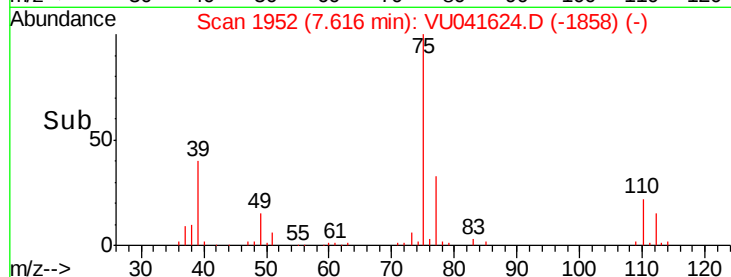
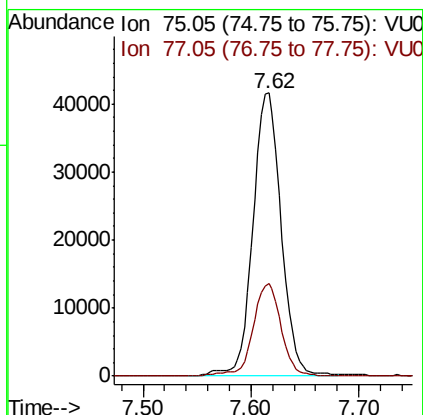
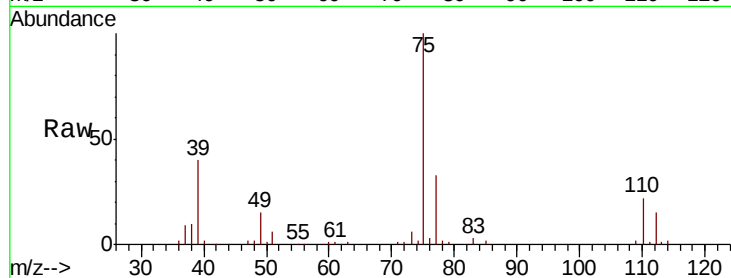




#39
 cis-1,3-Dichloropropene
 Concen: 4.699 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

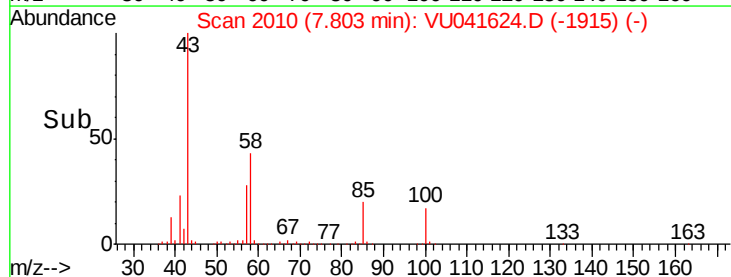
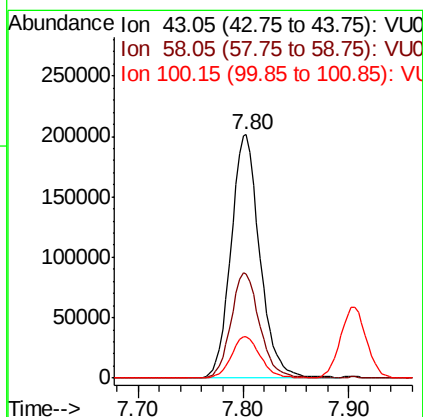
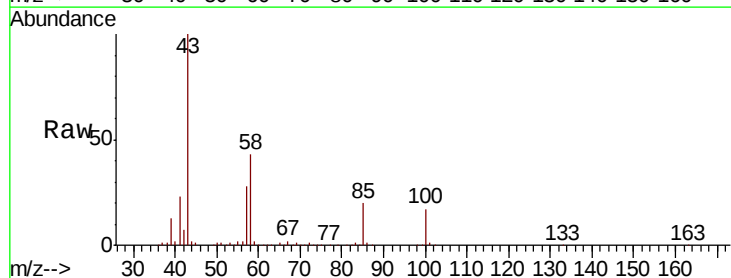
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

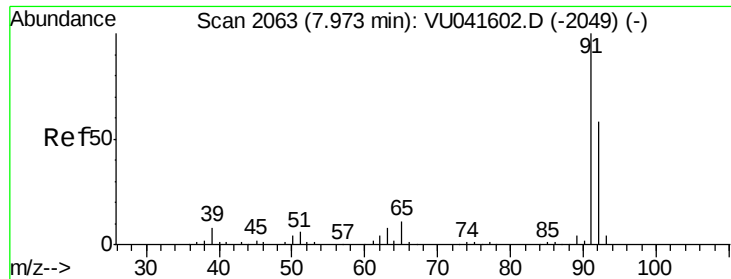
Tot Ion: 75 Resp: 75713
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 49.132 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.01 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Tgt Ion: 43 Resp: 380194
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.2 51.2
 100 17.2 12.3 18.5





#42

Toluene

Concen: 4.876 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

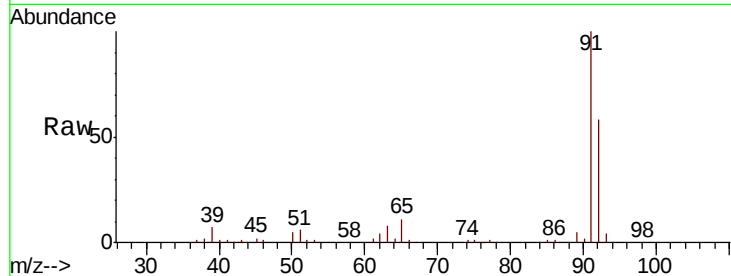
VSTD00515

Tot Ion: 91 Resp: 214044

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

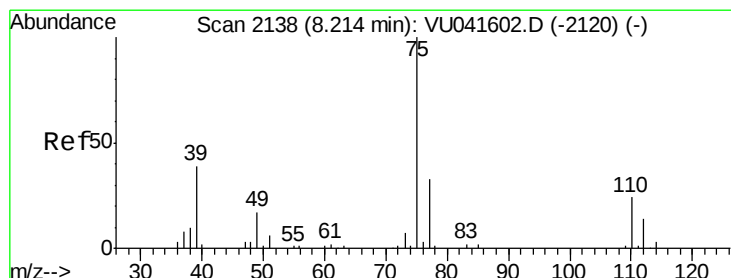
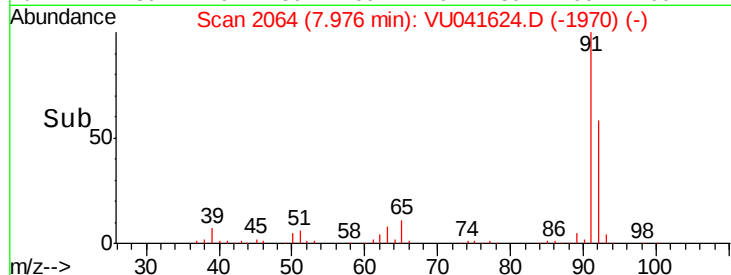
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.907 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041624.D

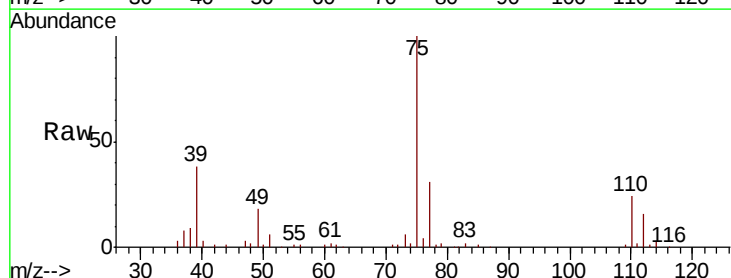
Acq: 14 Dec 2020 20:36

Tgt Ion: 75 Resp: 70715

Ion Ratio Lower Upper

75 100

77 31.3 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

40000

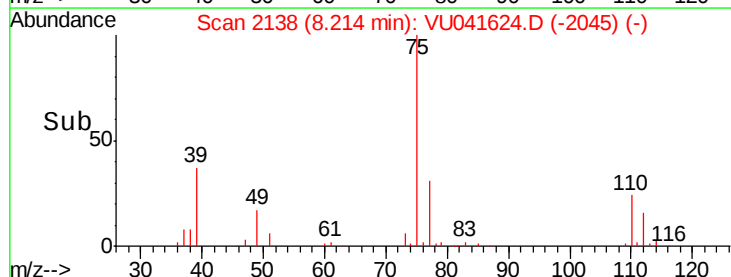
30000

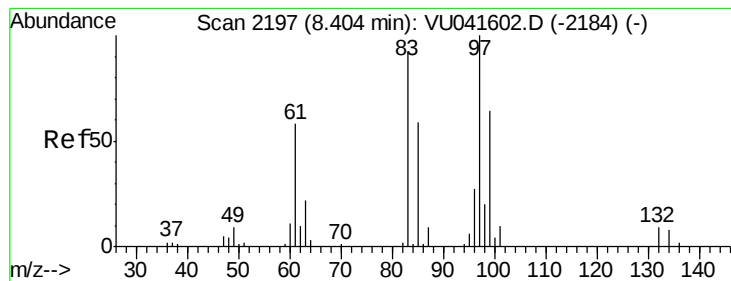
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.303 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tot Ion: 97 Resp: 42648

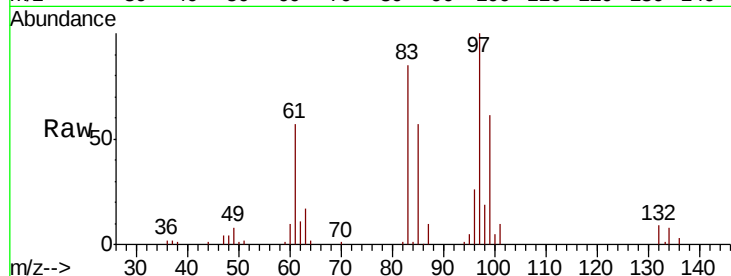
Ion Ratio Lower Upper

97 100

99 61.1 42.1 78.3

83 84.6 62.6 116.2

85 57.0 39.1 72.7

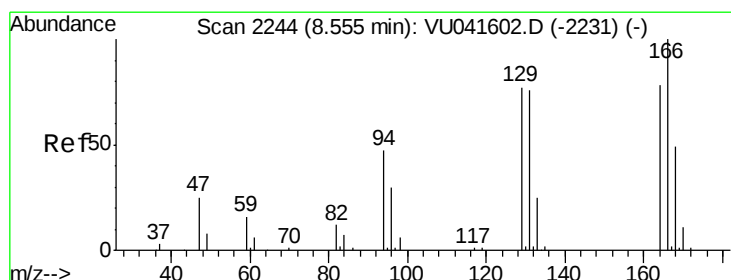
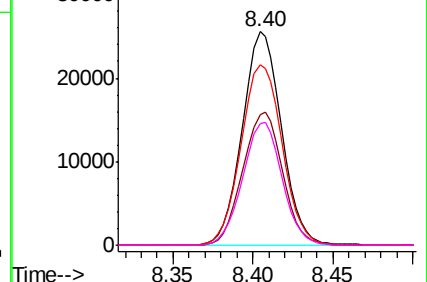
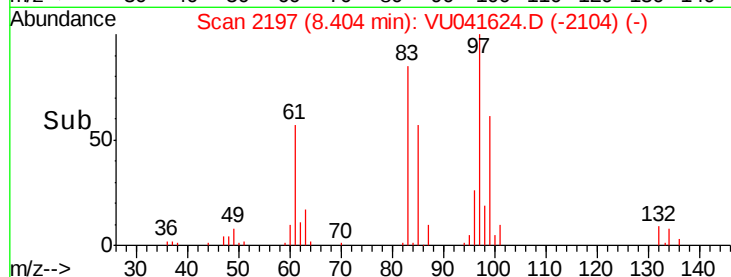


Abundance Ion 96.95 (96.65 to 97.65): VU041624.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU041624.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU041624.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU041624.D (-2184) (-)



#47

Tetrachloroethene

Concen: 5.777 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Tgt Ion: 164 Resp: 43206

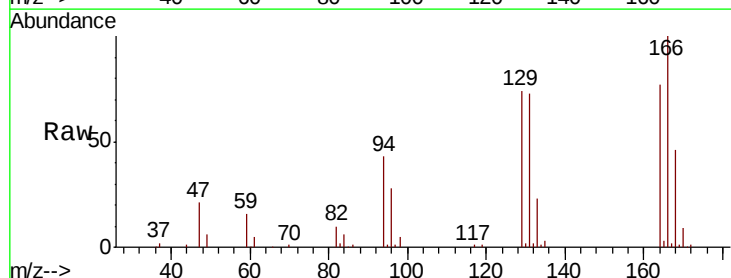
Ion Ratio Lower Upper

164 100

129 96.0 72.2 134.0

131 94.2 66.9 124.3

166 129.6 89.6 166.4

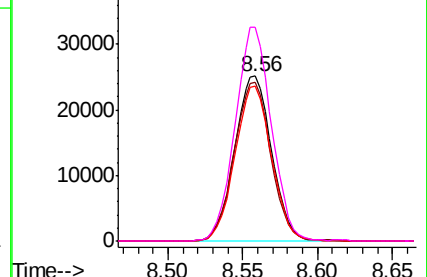
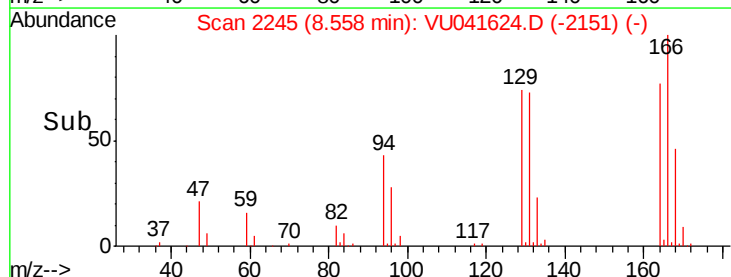


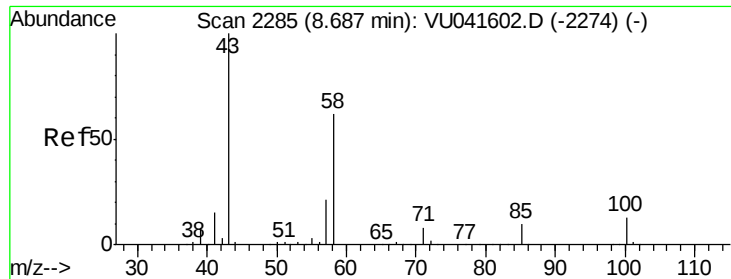
Abundance Ion 163.90 (163.60 to 164.60): VU041624.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU041624.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU041624.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU041624.D (-2231) (-)

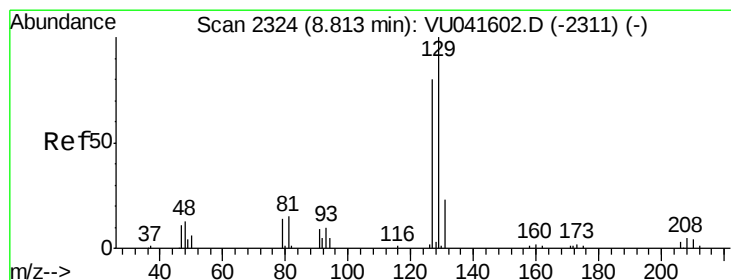
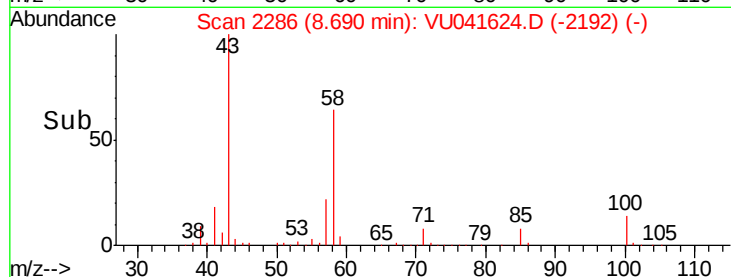
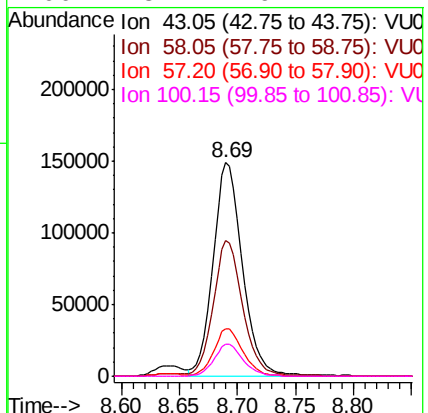
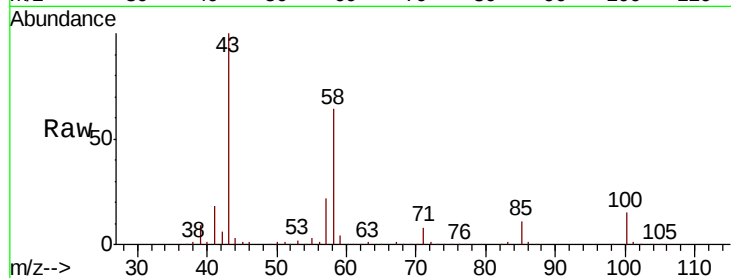




#48
2-Hexanone
Concen: 46.587 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

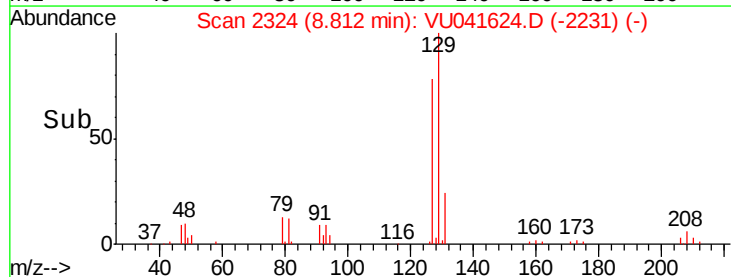
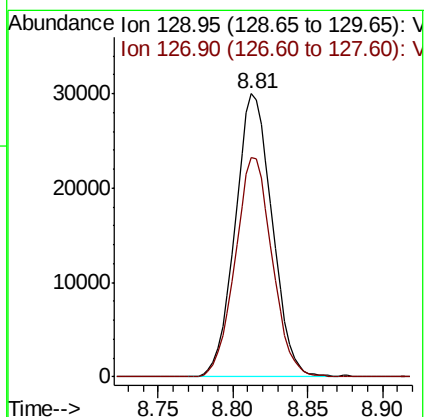
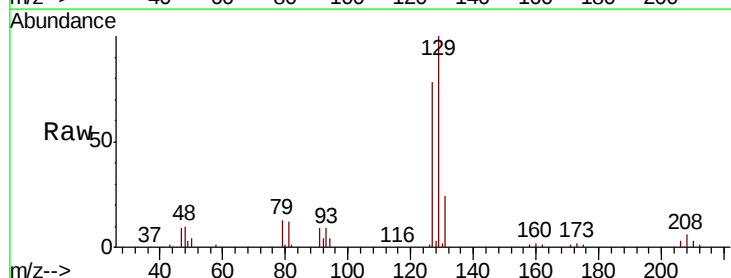
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

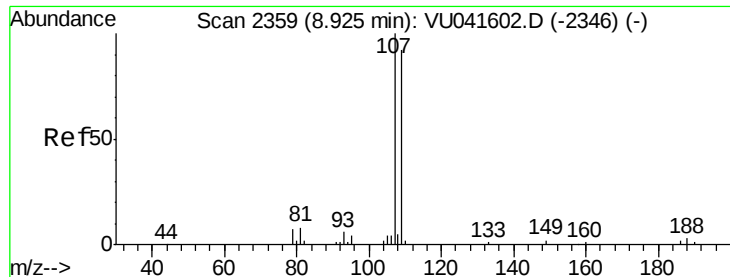
Tot Ion: 43 Resp: 262358
Ion Ratio Lower Upper
43 100
58 63.7 47.9 71.9
57 21.9 16.5 24.7
100 15.1 9.4 14.2#



#49
Dibromochloromethane
Concen: 5.572 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

Tgt Ion: 129 Resp: 51475
Ion Ratio Lower Upper
129 100
127 77.7 54.7 101.7

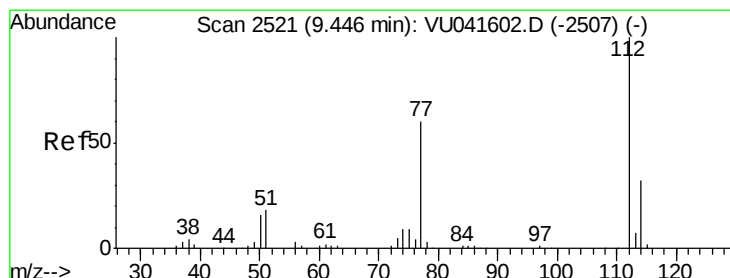
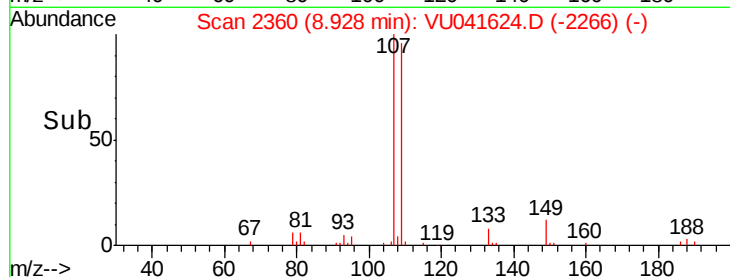
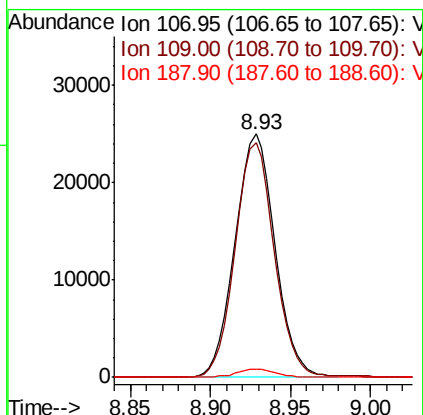
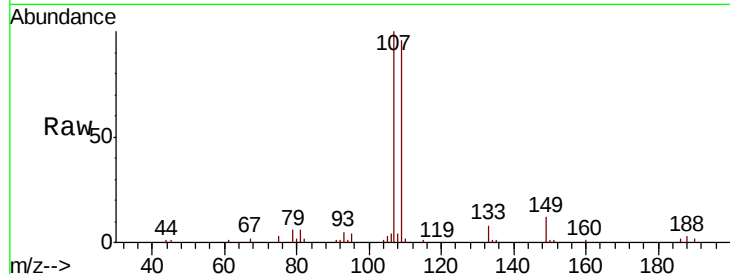




#50
 1,2-Dibromoethane
 Concen: 5.362 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

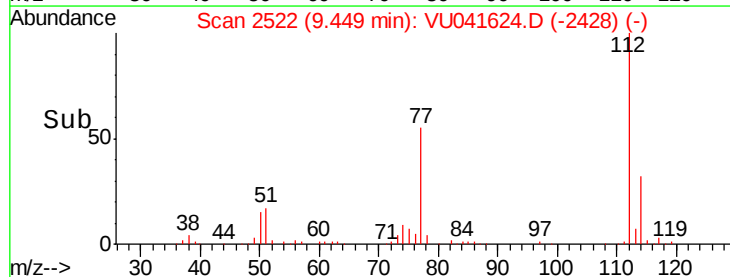
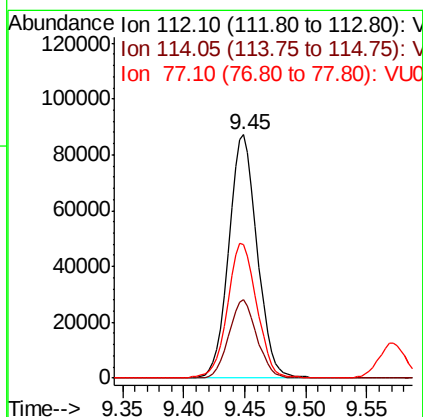
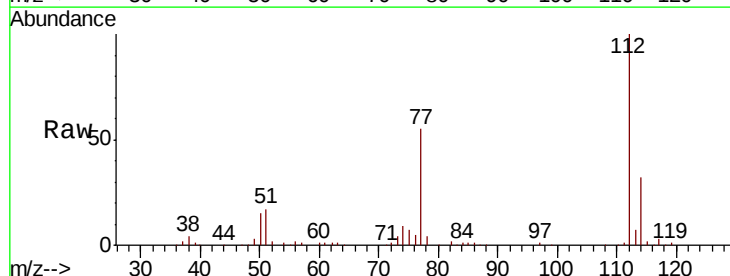
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

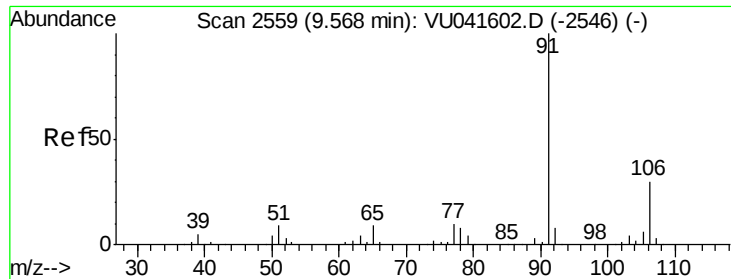
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	65.6	121.8
188	3.4	2.6	4.0



#51
 Chlorobenzene
 Concen: 5.192 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.3
77	55.0	49.1	73.7

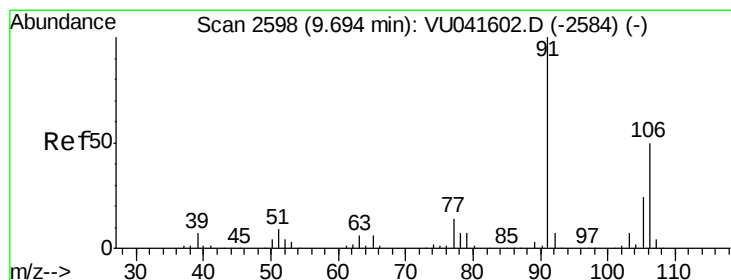
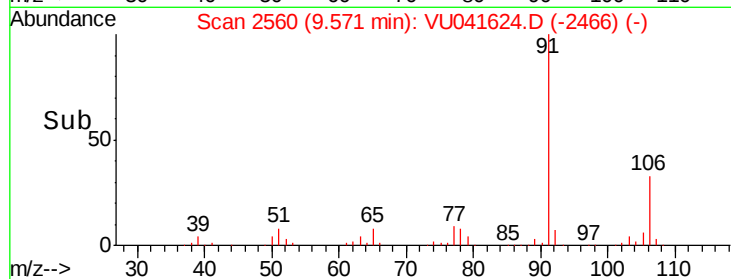
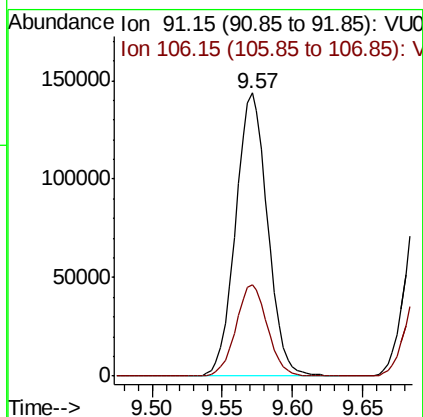
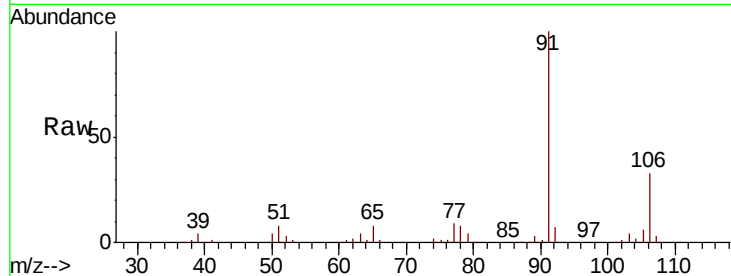




#52
Ethylbenzene
Concen: 4.884 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

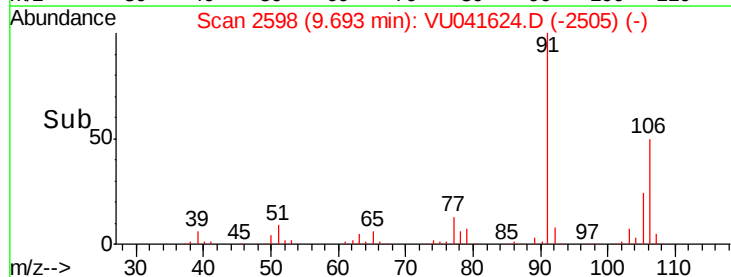
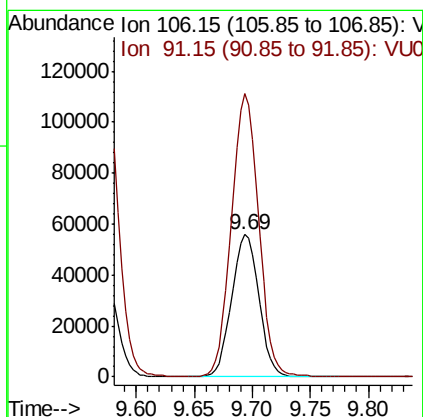
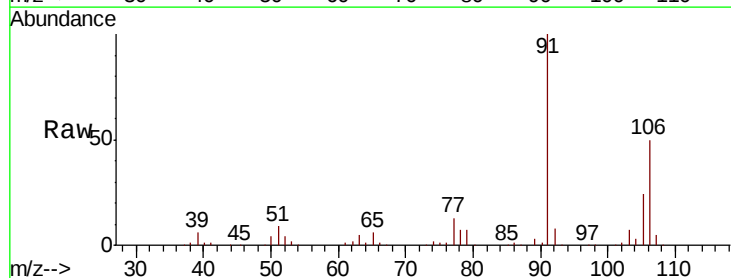
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

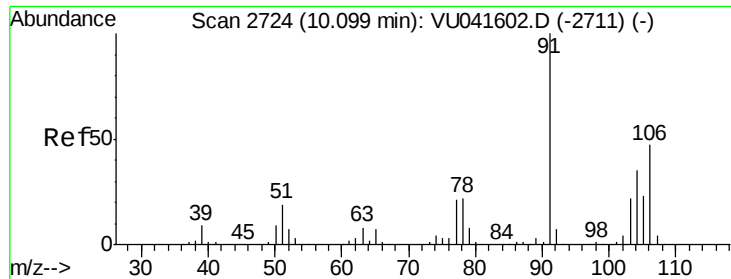
Tot Ion: 91 Resp: 228295
Ion Ratio Lower Upper
91 100
106 32.5 21.1 39.3



#53
m,p-Xylene
Concen: 5.210 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

Tgt Ion: 106 Resp: 90828
Ion Ratio Lower Upper
106 100
91 199.3 140.4 260.8

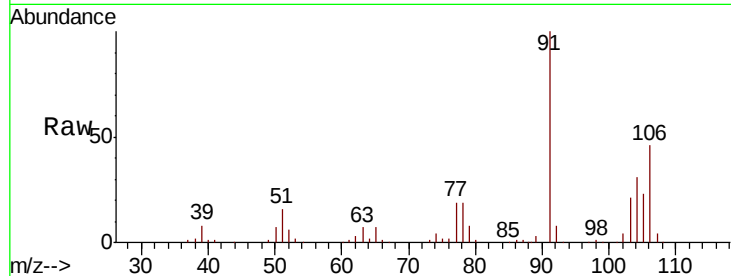




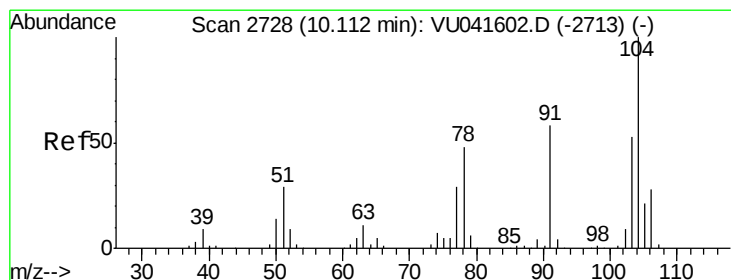
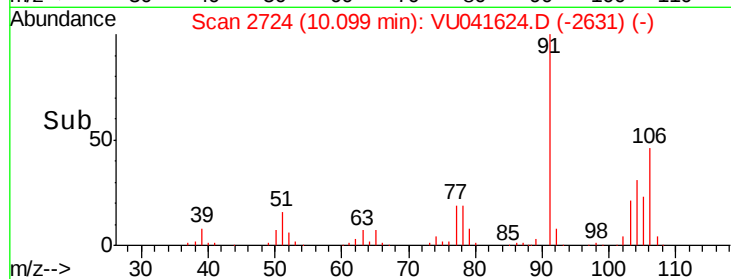
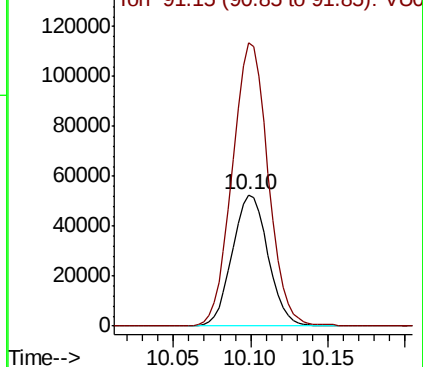
#54
o-Xylene
Concen: 4.951 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:106 Resp: 84538
Ion Ratio Lower Upper
106 100
91 215.7 151.3 281.1

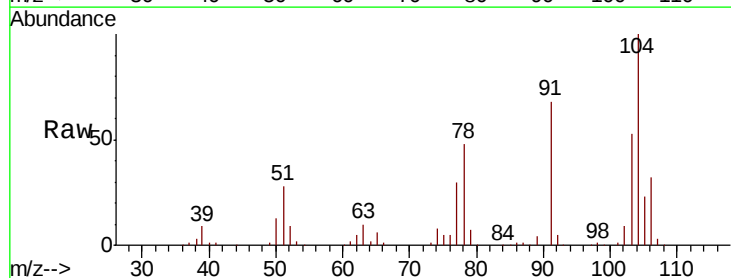


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

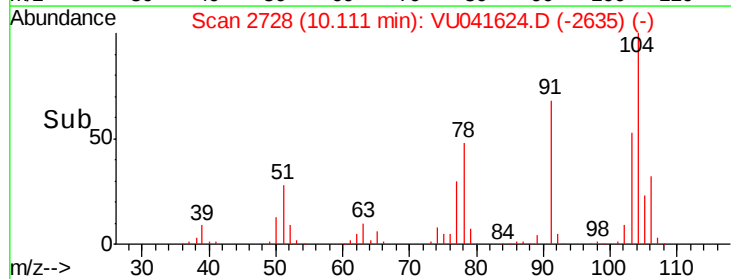
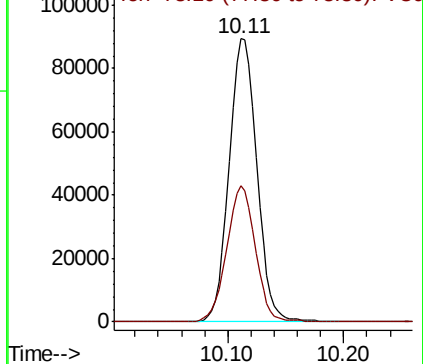


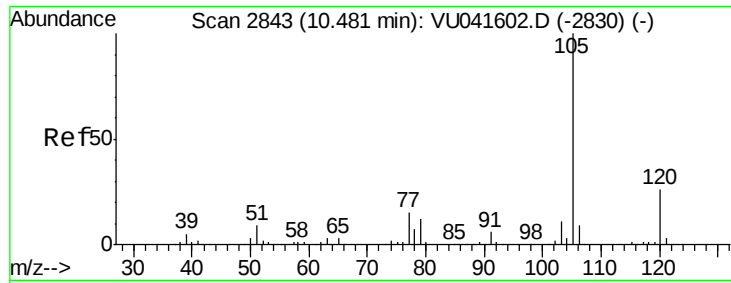
#55
Styrene
Concen: 4.991 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041624.D
Acq: 14 Dec 2020 20:36

Tgt Ion:104 Resp: 147200
Ion Ratio Lower Upper
104 100
78 48.0 31.1 57.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.844 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

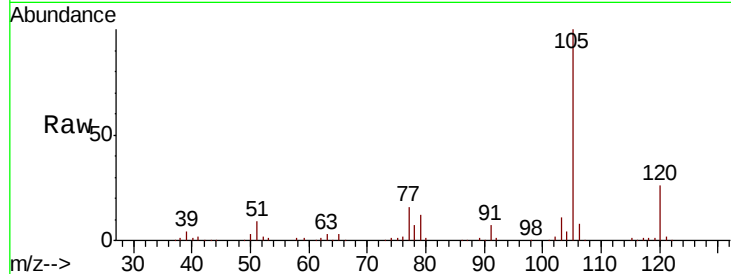
Tot Ion:105 Resp: 220156

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

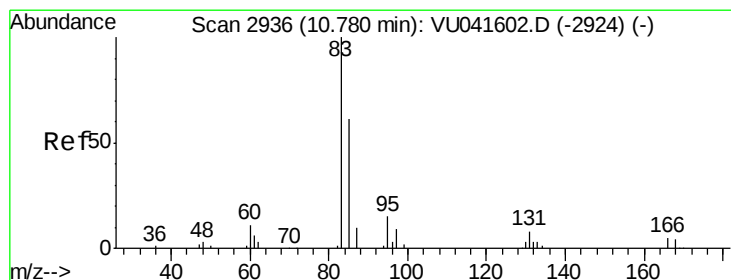
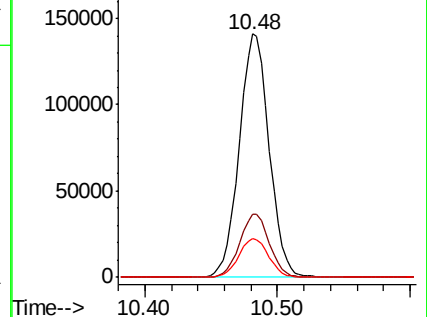
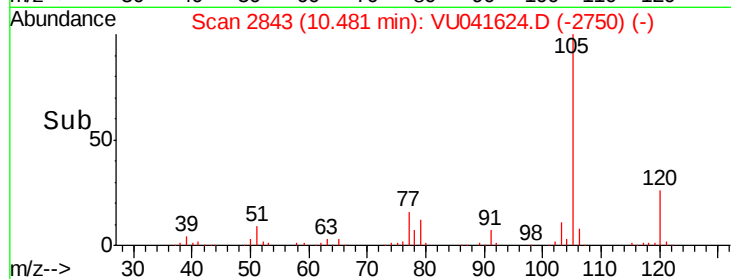
77 16.0 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.031 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

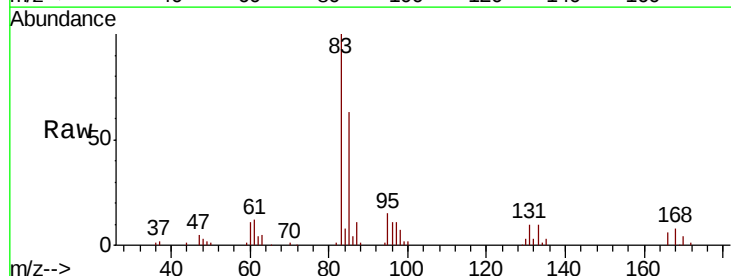
Tgt Ion: 83 Resp: 56295

Ion Ratio Lower Upper

83 100

85 63.0 46.1 85.7

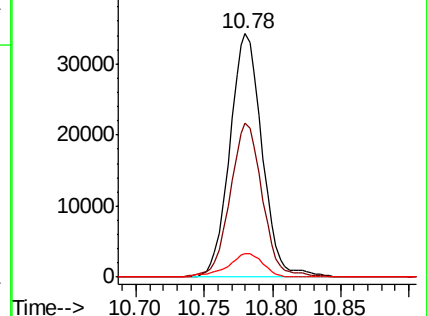
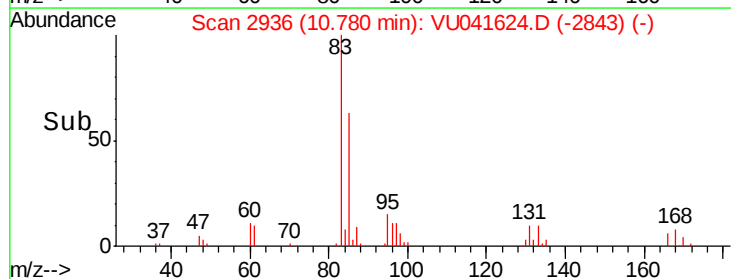
131 9.6 7.8 11.6

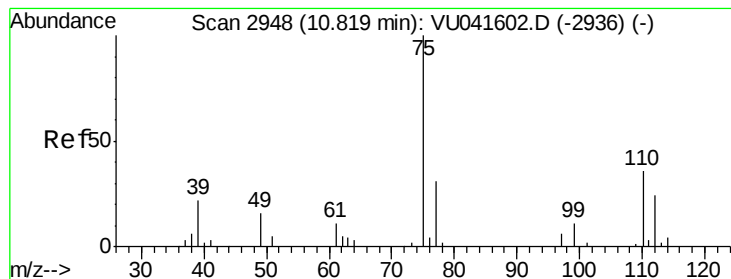


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.055 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

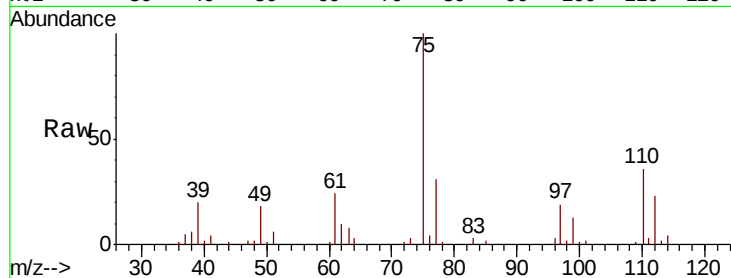
VSTD00515

Tot Ion: 75 Resp: 41284

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

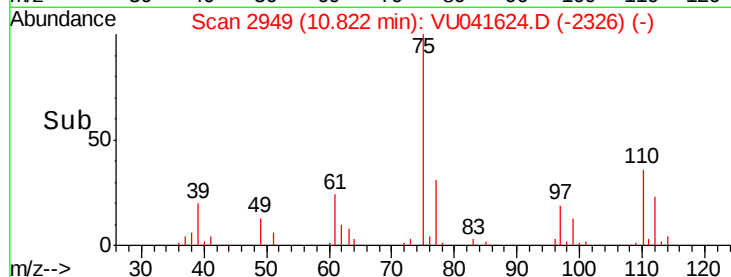


Abundance Ion 75.00 (74.70 to 75.70): VU041602.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041602.D (-2936) (-)

10.82

Time-->

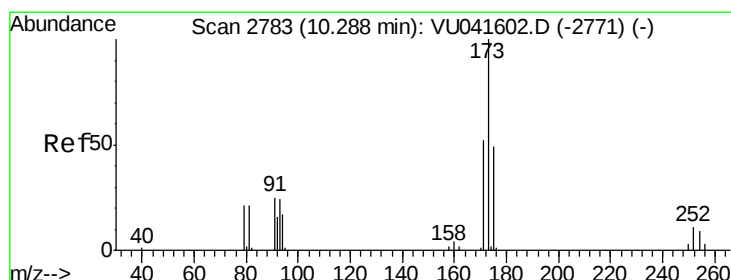


Abundance Ion 75.00 (74.70 to 75.70): VU041624.D (-2326) (-)

Ion 77.00 (76.70 to 77.70): VU041624.D (-2326) (-)

10.82

Time-->



#61

Bromoform

Concen: 6.012 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

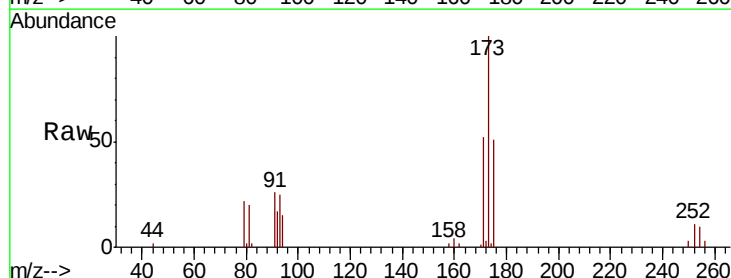
Tgt Ion: 173 Resp: 28142

Ion Ratio Lower Upper

173 100

175 49.7 37.3 55.9

254 9.8 7.4 11.2



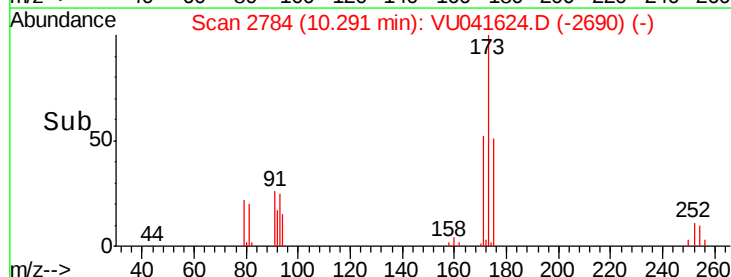
Abundance Ion 172.90 (172.60 to 173.60): VU041602.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041602.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041602.D (-2771) (-)

10.29

Time-->



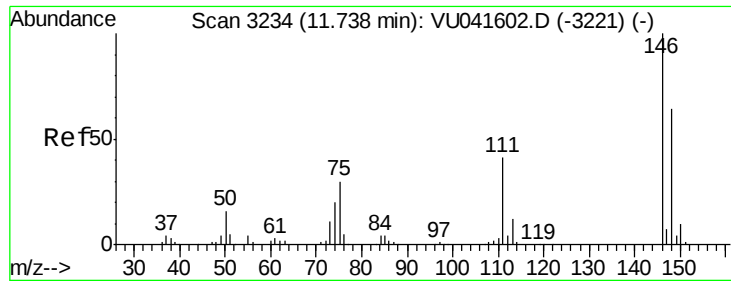
Abundance Ion 172.90 (172.60 to 173.60): VU041624.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU041624.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VU041624.D (-2690) (-)

10.29

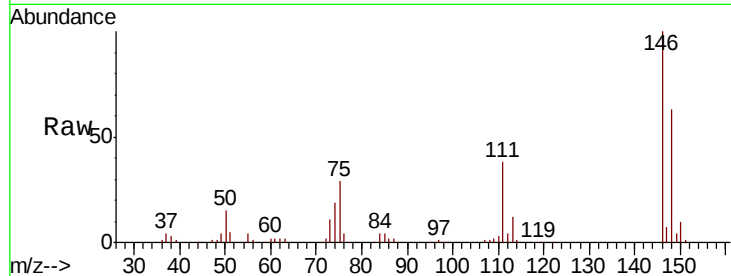
Time-->



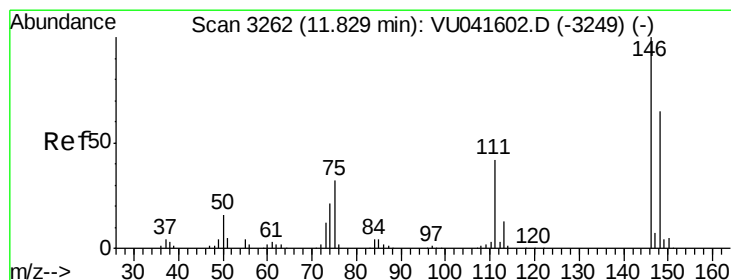
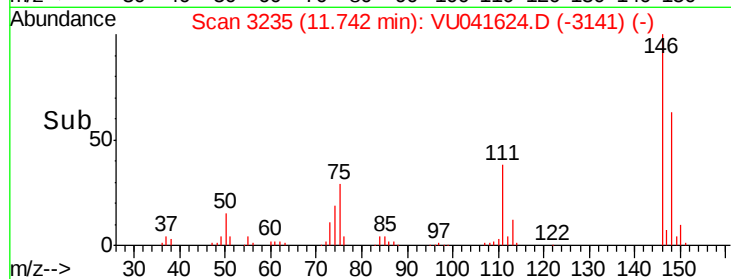
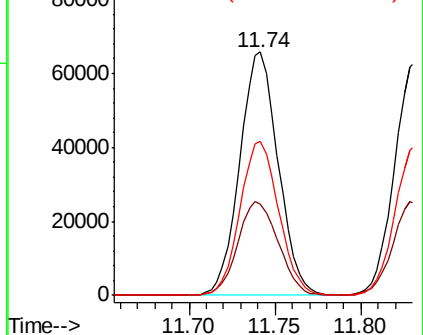
#62
 1,3-Dichlorobenzene
 Concen: 5.406 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion:146 Resp: 102374
 Ion Ratio Lower Upper
 146 100
 111 37.6 30.0 55.8
 148 63.1 44.9 83.3

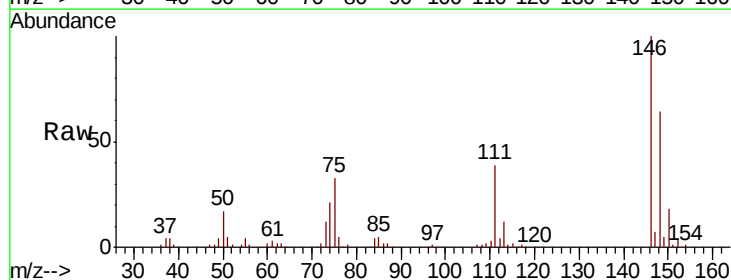


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

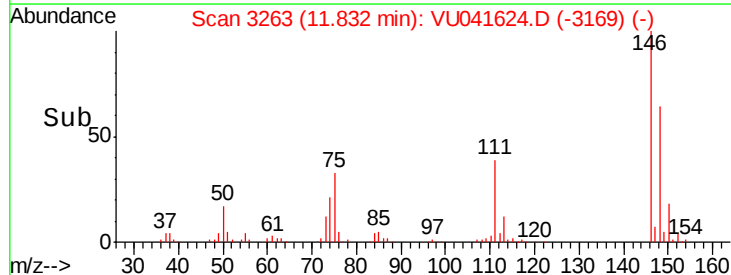
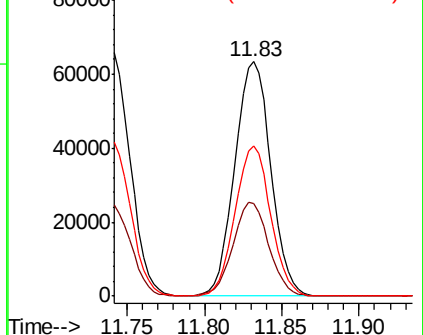


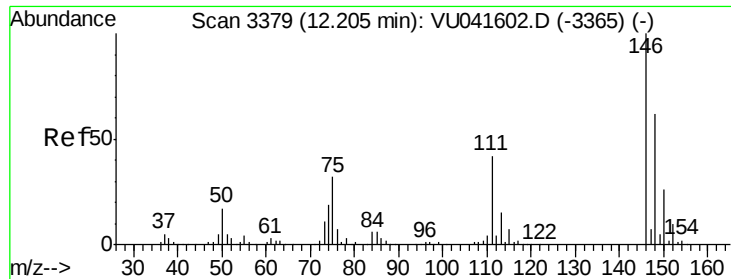
#63
 1,4-Dichlorobenzene
 Concen: 5.394 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Tgt Ion:146 Resp: 102693
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.9 51.9
 148 64.1 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

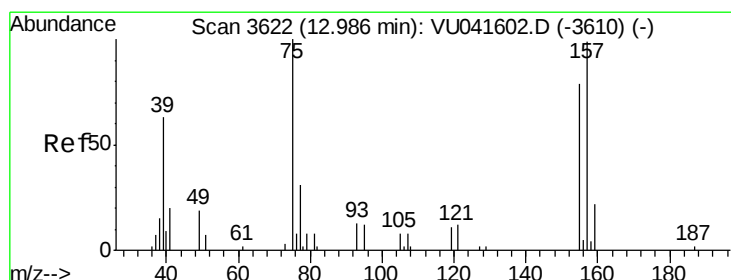
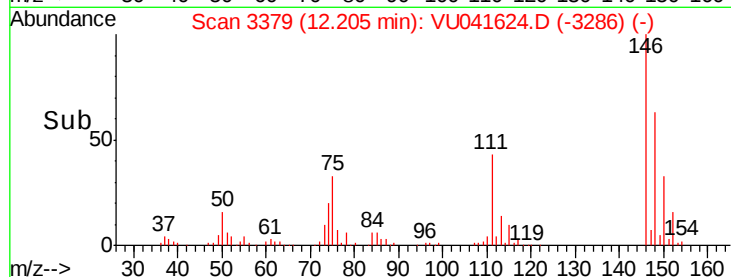
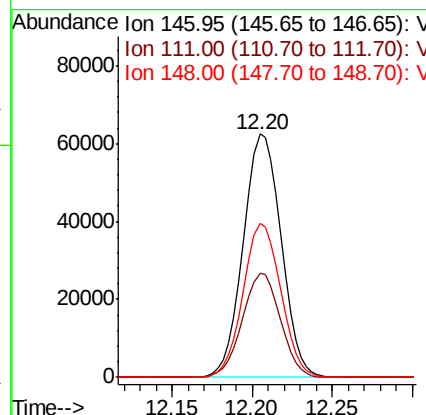
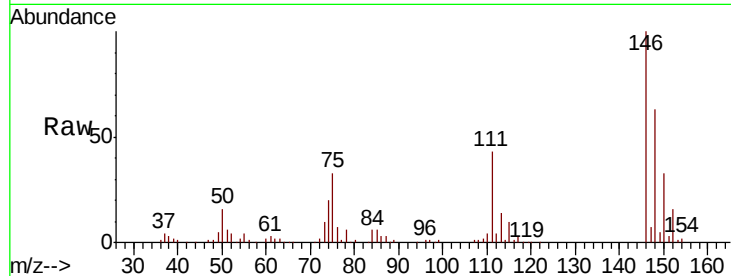




#65
 1,2-Dichlorobenzene
 Concen: 5.442 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

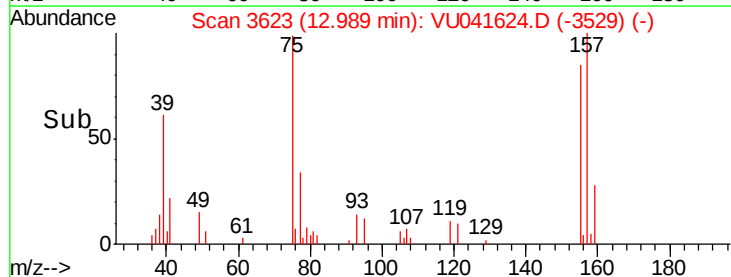
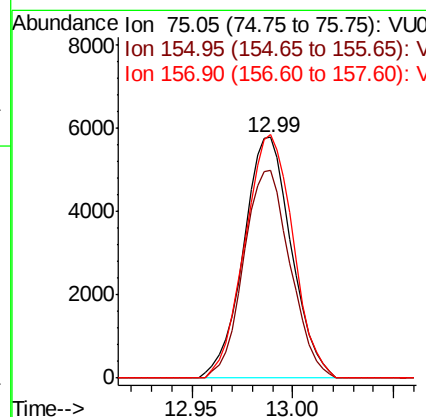
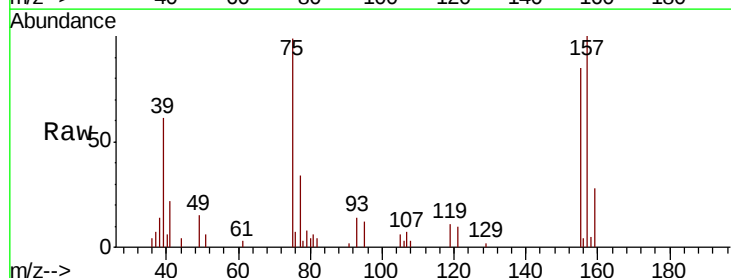
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00515

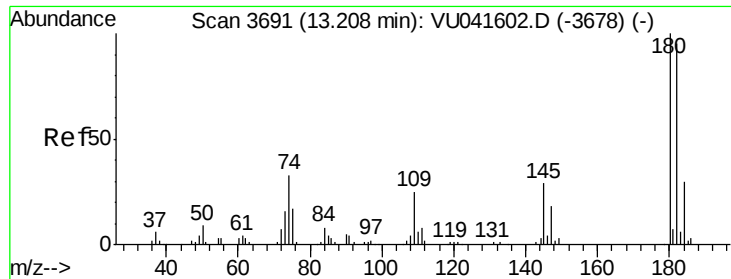
Tot Ion:146 Resp: 100923
 Ion Ratio Lower Upper
 146 100
 111 42.8 35.0 52.6
 148 63.2 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.513 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Tgt Ion: 75 Resp: 9587
 Ion Ratio Lower Upper
 75 100
 155 86.3 57.4 86.0#
 157 101.2 72.4 108.6

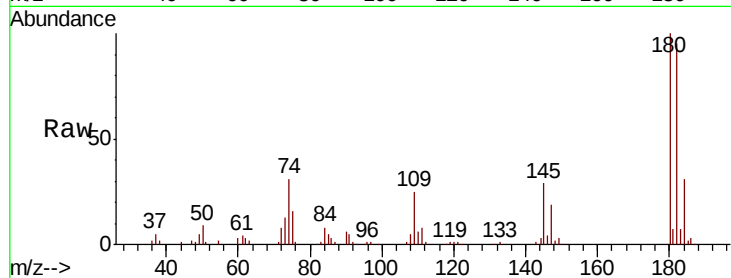




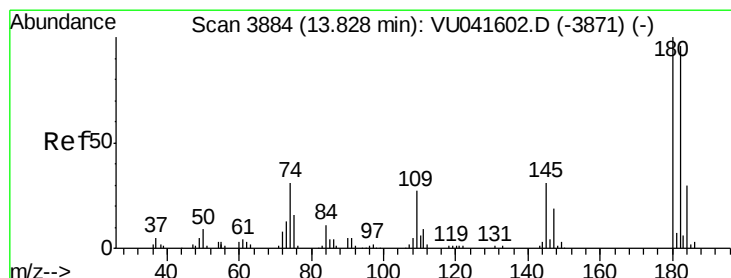
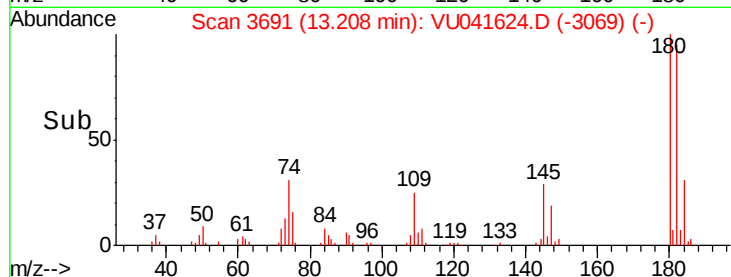
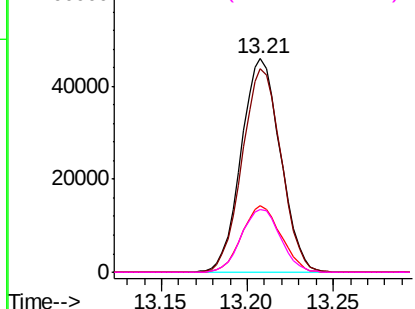
#67
 1,3,5-Trichlorobenzene
 Concen: 5.079 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion:180	Resp:	73011
Ion	Ratio	Lower Upper
180	100	
182	94.5	76.3 114.5
184	30.9	24.1 36.1
145	29.5	24.1 36.1

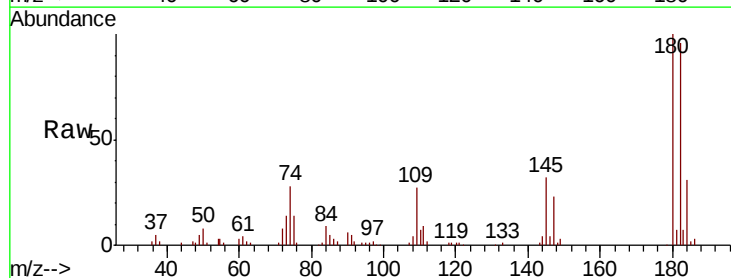


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

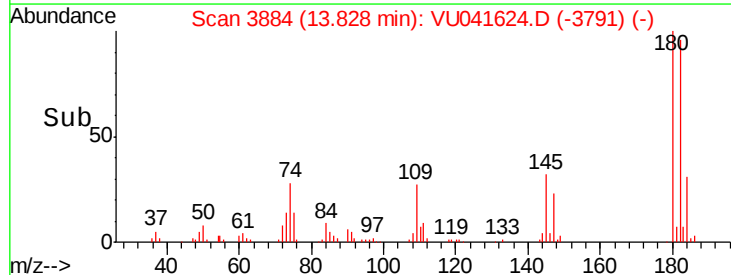
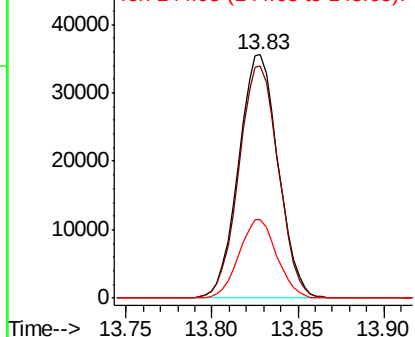


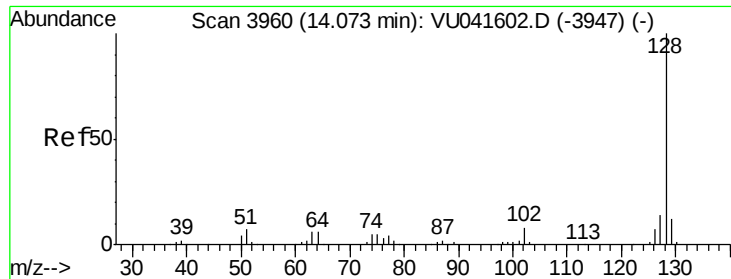
#68
 1,2,4-trichlorobenzene
 Concen: 4.719 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041624.D
 Acq: 14 Dec 2020 20:36

Tgt Ion:180	Resp:	56923
Ion	Ratio	Lower Upper
180	100	
182	95.5	75.4 113.0
145	30.8	24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.668 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

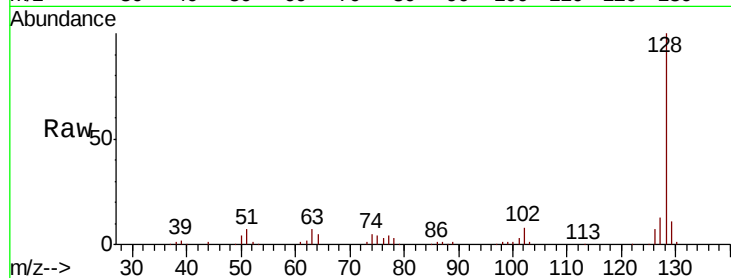
Tot Ion:128 Resp: 116559

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

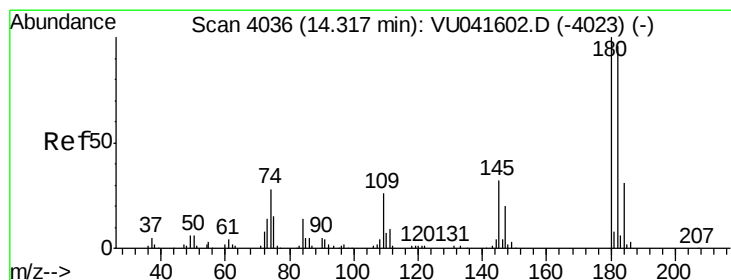
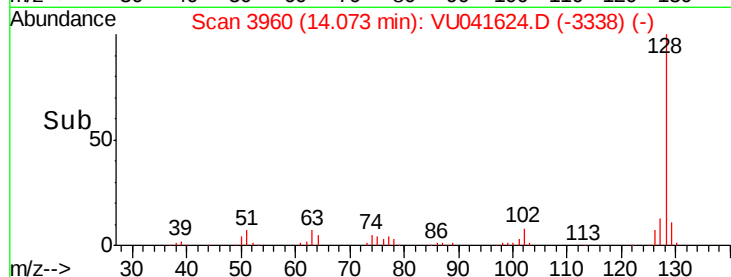
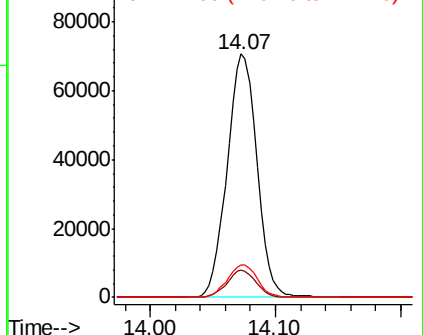
127 13.4 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.922 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041624.D

Acq: 14 Dec 2020 20:36

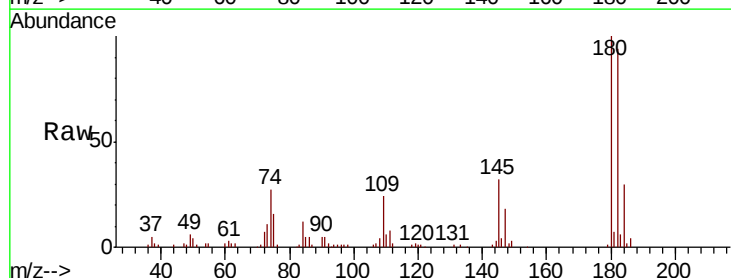
Tgt Ion:180 Resp: 56594

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 33.1 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

